#### SEARCH REQUEST FORM

Scientific and Technical Information Center

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# STIC Search Report Biotech-Chem Library

#### STIC Database Tracking Nur

TO: Mary Mosher

Location: cm-1/9a17/8e12

Art Unit: 1648

Tuesday, August 05, 2003

Case Serial Number: 09/851410

From: David Schreiber

**Location: Biotech-Chem Library** 

CM1-6A03

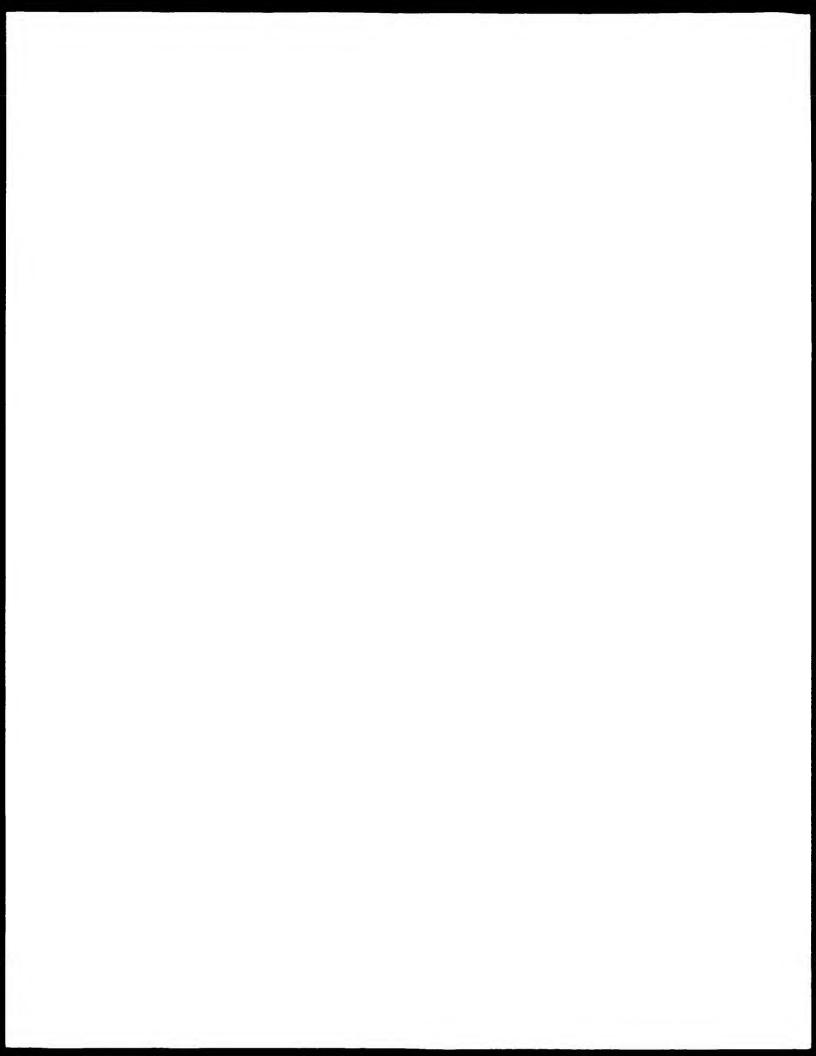
Phone: 308-4292

david.schreiber@uspto.gov

#### Search Notes

Search seq 8 std and oligo





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August 5, 2003, 09:29:48 ; Search Lime 47 Seconds (Without alignments) 2228/926 Million cell updates/sec Pun can

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lotal number of hits satisfying chosen parameters:

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Minimum DB seq length: 0 Maximum DB seq length: 200000000

Database

Post processing: Listing first 45 summaries

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sales
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The sequence is that of the putative virus capsid protein consided by Burma strain hepatitis E virus (HEV) open reading frame SRF2. This protein or peptide fragmetts of it may be used in a varcine composition for immunising an individual against HEV. Antibodies raised against these peptides can also be used in such vaccines. (Updated on 25-MAK-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antigen and antibody vaccines against hepatitis E virus infection rectain peptide(s) derived from capsid protein C terminal or antibodies against protein
                                                                                                                                                        Hepatitis E virus, vaccine, neutralising antibodies, infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 660; DB 14; Length 660; 100.0%; Pred. No. 0;
                                                                                                                                                                                                                                                                                                                                                                                                  Tam AW,
                                                                                                                          Rorra strain APV ORP? postime timus capsid protein.
                                                                                                                                                                                                                                                                                                                                                                                                  Bradley DW, Krawasyaski KC, Purdy MA, Reyes GR,
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                                                                                                                                                                       block; open reading frame; antibodies.
                            AAR39306 standard; Protein; 660 AA
                                                                                                                                                                                                                                                                                                                                                         (GENE ) GENELABS TECHNOLOGIES INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Fig 7; 43pp; English.
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                                                                                                                                                                                                Hepatitis E virus.
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PCR amplification of one 2 illustrates become by OMF 2 (AAL27102) of the virus. PCR amplification of the virus. PCR amplification of the virus and regions of the capsid protein (see also AAPSGAR) and AARSGARS) and AARSGARS) and AARSGARS are capsing a baculovirus expression in Spondoptera frominal regions (see also AARSGAR) and AARSGARS are additional circuminal regions (see also AARSGAR) and AARSGARS and 
101 DPALELEFRILFSTYTNI PVSRYSSTAKRIKLIK MADOTAEL TYTAATREMKOLYFYSING
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distrostiv respents for determining HEV interlion and in vaccines
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N.F. D. A.A.;

Section 19

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A method has been developed for detecting hepatifis F virus (HEV) antibodies (Ab). The method comprises: (a) reacting a scrow sample with a HEV peptide antigen, and (b) examining the peptide for the presence of bound Ab, where the presence of bound Ab indicates the presence of HEV Ab. The present sequence represents the protein from the open
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   reading frame, ORF2, from HEV Burma strain, The method can be used to diagnose infortion with the enteriorily transmitted non-A/non-H viral Nepatitis agent HEV, specifically the HEV Burma and Mexico strains. (Updated on 25-MAR 2003 to correct PF field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24] ASHLVIDSPELHYPNQOWESVFISOVAFFEATSOF VMLCHISHANSYINTEYIGALIH.
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                                                                                                                                                                                                                        (GENE-) GENELABS TECHNOLOGIES INC
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Best Local Similarity 100 C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Protein encoded by ORIZ of 82 MAMB (HBV) Burma strain PMA proquence.
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Bepatitis E virus, HLV; Burma HEV isolate; vaecine;
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                                                                          New isolated swine hepatitis E virus—used to develop products for
the diagnosis, presention and treatment of hepatitis E virus
intection in mammals, particularly humans
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61. PFADNIVIAAAGAGERVE,LARELGSAWREGAGREAVASRRRPTIAGAAFELAVAPAHELE. 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MRPRETILLILLMELDMI-DAPPROOFSCREPROFESSCREGECTWOOPVINGOPEATPYTHPTN KA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  preparation of vaccine against ET-NANB infection. These antigens may further be used to prepare antibodies to ET-NANB virus particles for use directly as antivital agents, and to produce antiserum designed for pre or post expectify prophylaxis. The present sequence represents a specifically claimed HEV Burma strain protein sequence for use in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Identifying recombinant antigen immunoreactive with antibody induced by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the synthesis of polypeptides for use in immunoassays, and for identifying similar antigenic regions encoded by related viral strains, e.g. Burmese strain. The antigens are especially useful in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Poyes CR;
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50] TAPBSATALEOFIDYPARAHTFOOFOPOOPTATOGOGGAFOSTVARLQFLKIKVGKTPEL 569
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                                                                                                                                                                                                                                                                       enterically transmitted nonA/nonB (ET-NANB) viral hepatitis agent (also referred as BEV). The DNA sequences or their tragments are useful in properting EI-NANB viral proteins and as probes for viras detection. These are particularly useful in diagnosis intertion by an enterically transmitted agent (e.g. ET-NANB virus), as well as in vaccine progerion. The present sequence represents a MEV professin energies.
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                                                                                                  New DNA sequences of enterically transmitted non-A/non-B (ET-NANB) hepatitis viral agent, useful in diagnosing infection by an enterically transmitted agent (e.g. ET-NANB virus), as well as in vaccine
Peyes ∋P, Yarboudh Po, Bradley DW, Krawssynski KZ, Tam AW, Fry KE.
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100.0%; Pred. No. 0
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RESULT 5

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conterically transmitted manA/numb Lepatitis vital (HEV) agouts in a sample and isolating HEV agents or nucleic acid fragments produced by the sagent. The method utilises PCK—using bile from a bumon or eyhomologus monkey actively intested ALLH HEV as a source of the agent. The method of the invention is used for detecting the presence of a vital arount in a sample of cultined cells intested with the agent and isolating
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                                                                                                                                                                                                                                                                                     HEV, enterically transmitted nonA/nonE hepatitis viral agent:
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                                                                                                                                                                                                                                                                                                                                                                481 FQSTYGSSTGPVYVSBSVTLVNVATGAGAVAPSLDAJEVILLAJERLSTLQVSKTPPVLP
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121 PUTOVIOSEGATI BRQYNI STSPLTSSVATGTNI VLYAARI SPLLPLQEGTNI HIMATFAS, 186
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NVAC TEVARA I BETEFITA VERAN CUTA CONTROLLO CO
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                                                                                                                                                                                                                                                       in $19 insect cells using a backlochus system also results in product box anteren services also AAPCOLOTY. Tox represents an improved antique, in edganic at a betterful also known proposed proteins.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HEV; enterically transmitted ann \Delta/min E Lapatitis virus; vaccine; diagnosis; antique, Spodoptera fraqiperda; SF9; insect;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           diagnostic reagents for determining MEV intertigm and in gaccines
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                                                                                                                                                                                                                                                                                                                                      421 YSKTEFVLPLRGKLSFWFAGTTKAGYPYNYNTTASDQLLVENAAGHPVAISTYTTSLGAG 480
                                                                                                         472 MLSLTAAEYDQSTYGSSTOPVYVSDSVTUVNVATGAQAVARSI DWTKVTLDGEPLSTIQQ
                                       2-3-- VPTT VQPGTASELVIPSERIJHYPMQGWESVETSSSAAFEEATSSGIVMI CTHGSLVASYTHT
                                                                                         292 PYTGALGLIDFALELEFPNLTPGNTNTRVSPYSSTARHPLRFGADGTAELTTTAATREMK
                                                                                                                                                                                                   4.12 TYTSVENAQQDKGTATPHDIDLGBSPVVTQDYDNQHBQDPPTPSPAPSPPFSVFPANDVF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C-terminal portion of the pORF2 protein of hepatitis E virus polypeptide containing a neutralizing epitope, useful to detect, prevent, and treat hepatitis E virus infections
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             virus (HEV) Burnma strain capsid protein was cloned into baculovirus expression, vertor pBlabacili and recombinant 62K was expressed in $19 insect cells. High levels of expression were obld, and the recombinant 62K was obtal, in over 95% purity. However, C-terminal processing resulted in the deletion of 9 or 23 amino acids from 62K, diving 2 related polypeptide species (AAR9610) and AAR96103). Similar
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                     1 MRPRP1LLLLLMP1PM1 PAPPPGQPSGPPRGPPSGGSGGGGGPPWGPPVGSQPFATPV1HPFW 60
                                                                                                                                                                                   AA) BEALFIEFPILEBONTNIFPVSPYSSTAPHFLEPFAFGTAFLITTAATEEMKELYFFSSING
Hepatitis E Virus Vaccine and Method
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Patent No. 5741490
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Reyes, Gregory F
APPLICANT: Bradley, Daniel W.
APPLICANT: Twu, Jr-Shin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Purdy, Michael A. APPLICANT: Tam, Albert W. APPLICANT: Krawczynski, Krzys
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 208,997
                                                                                                         APPLICATION NUMBER: US 822,335
FILLING PATE: 17 FAM 1992
                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 505,888 FILLING DATE: 05-APR-1990
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NAME: Sholtz, Charles K.
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INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                             APPLICATION NUMBER: US, 27,977,941A
FILING DAIE: 01-MAY-1992
                                                                               MEDIUM FYPE: Floppy disk
COMPUTER: IRM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 822, 335
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PRIOR APPLICATION DATA:
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PRICE APPLICATION DATA:
APPLICATION NUMBER: US 336
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ATTORNEY/AGENT INFORMATION
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PRICE APPLICATION DATA:
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REGISTRATION NUMBER: 38,
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TITHE OF INVENTION. Ho, (120988 A/Se, 6120988 B Hepatitis Viral Alent
NUMBER OF SEQUENCES: 20
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350 Cambridge Avenue, Suite 250
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Bradley, Daniel W
Krawenyoski, Kraysetet ?
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FILLING DATE: 11-APR-1989
PRIOR APPLICATION DATA:
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05-APR-1990
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Patent No. 6120988
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PRICE APPLICATION DATA:
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APPLICANT: Fry. Kirk E
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FILING DATE: 05-APE
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Tourist Fred. No. C
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INDIVIDUAL (SACATE: ARE 2
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                                                                                                                                                                                                                                                                                                                     350 Cambridge Ase., Suite 20
                                                                                                                                                                                                                                                                     Technitinger & Associates
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COMPUTER: THE PC compatible
OPERATING SYSTEM: PC DOS/MS DOS
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TELECOMMUNICALION INFORMATIONS
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HELBERAX: (415) 824 00000
INDERMATION FOR SECUTIONS: 150
SEQUENCE CHAPATIERISTICS:
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ATTORNEY/AGENT (NE RMALIEN:
NAME: Fublide, Gary R.
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                                                                                                                     NUMBER OF SEQUENCIES: (CORRESPONDENCE, ADDRESS)
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                                                                                                                                                                                     F229005 B Hepatifils Vital April
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TELECOMMUNICATION INFORMATION:
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FILING DATE: 03 AUG 1958
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Reyes, Gregory R
APPLICANT: Yarbough, Patrice O
APPLICANT: Bradley, Daniel W
APPLICANT: FLAWCHTISE!, Krrysstof 2,
APPLICANT: Tam, Albert
APPLICANT: Fry, Kirk E
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FILING DATE: 11-APR-1989
PRIOR APPLICATION DATA:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: HS 67
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AFTORNEY/AGENT INFORMATION:
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APPLICATION NUMRER:
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HELFELLELLELLELLELLEGGEFELLSSA AGSTETTELLEGGEF VAANSEETVELT UPERAG 420
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                                                                                                                                                                                    1 MRPRETLELLIMELPMLFAPPFGUPSGRRRGRRSGGSGGGPWGDRVDSQPFALPYTHPTN (C)
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                                                                                                          Score 660; DB 4; Length 660; Pred. No. 0;
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APPLICANT: McAboud, Patrice
APPLICANT: Zhang, Yitan
TITLE OF INVENTION: Hepatitis E Virus Antiqens and Methods
NUMBER OF SEQUENCES: 24
                                                                                                                                               0; Indels
                                                                                                                                               0; Mismutches
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ANGRESSED: Cathleen M. Desjandins, M.D.
STREET: 505 Penobscot Drive
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Sequence 13, Application US/08177292
Patent No. 6291641
                                                                                                            100.04
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LENGTH: 660 amino acids
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APPLICANT: Fuerst, Thomas
                                                                                                                                               Matches 660; Conservative
                                                   MOLECULE TYPE: protein
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STATE: CA
                   TYPE: aming acid
PopoloGY: linear
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1. CELLTETT FELTETT 11. CELLTETT HERTETT HERTETT HELTETT T
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Pred, No. 0;
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                     MEDOUM TYPE: Fidgey disk
computing system: Paronsymposis
oberalind system: Paronsyms pas
software: Fatourin Release #1.0, Version #1.29,
current Application Dark:
Application NUMBER: US/08/477,292
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Brookes, Allan A
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MPUTER PEADABLE PERM:
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94) IRGKESFWEARTIKAT - YOUTAN JOUREAAN HEVS OYTESNAUWS YE
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§ Combatidoe Avenue: Sarte Por
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                                                                                                                                                                                                                                                                                                   APPLICANT: Krawerynski, Kripsotot v
APPLICANT: Lam, Albort
APPLICANT: Fry, Kirk E
TITLE ST INVENTION: Long Sequences of
TITLE OF INVENTION: No. 600001 April
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67 JUN 1995
Heitere 1887 1972/9, 823
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                                                                                                                                                                               September 8. Application 98/09 54127
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APPLICANT: Yarkough, Patrice or
APPLICANT: Bradley, Lamiel W
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IRM PC compatible
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 02.
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(650) 424 0960
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PREOR APPLICATION DATA:
APPLICATION NUMBER: US 627
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APPLICATION NUMBER: 0
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138-09-553-427-8
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ADDRESSEE: Doldinger
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MEDIUM LYFES 1, APP
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CHY: Palo Alt.
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TERALING SYSTEM: PT DOS/MS DOS
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PRESENTATION DATA.
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(NETRMALCON FOR SEQ 1D NO: 19:
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                                                                                                                                                                                                                                                                                                                                                                                                      ODKGTATPHDIDLGESHVVIODYDNOBFODPPTPSPAPSRPFSVLRANDVLWLSLTAAEY 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             121 PVPDVDSRCATERRQYNTSTSPTTSSVATSTNIVLYAAFLSPLLFLQDGTNTHIMATEAS 180
                    NYAQYRVARATIRYRPI, VPNAVGGYATSTSFWPQTTTTPTSVDMNSTTSTDVRILLVQPGT 240
                                                                                                                                                                                      24.1 ASELVIPSERLHYRNQGWRSVETSGVAEEEATSGLVMLCIHGSLVNSYTNTPYTGALGII. 300
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350 Cambridge Ave., Suite 250
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Patent No. 6214970
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APPLICANT: McKlee, C. Patrick
APPLICANT: Yarbouch, Patrice O.
APPLICANT: Shang, Yitan
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TELEFAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 15:
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REGISTRATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                       83.2%; Score 549; DB 3; Length 549; 100.0%; Pred. No. 0;
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INDIVIDUAL ISOLATE: 1678.3, FIGURE 4
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APPLICANT: Zhang, Yitan
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APPLICANT: McAtce, Patrick
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NUMBER OF SEQUENCES: 2
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    CITAL SVENAGGER STATERIST LEGESRAVIGERENOHIGERPT PSPAPSRPESVERANDYL (C.)

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INGEVIERAL ISSAAIE: 76ZKDA, FIGSKE 4
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COMPUTER: HW PC COMPATIBLE
COMPATION SYSTEM: PC-FMS/MS BOS
SOFWMER: Patentin Release #1.65 Version #1.25
ULRHIRI APPLINION DAIA:
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SEQUENCE CHARACTERISTICS:
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M. & C. Sterner, Subsequent Library (1981), 17 months (1942)
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APPLICATION NUMBER: FOLDESON FOR
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STREET: P.O. Box 60850
                                                                                                                                                   Seprency 15, April 6 of for 1971039513703
GENERAL INFORMATO N:
APPLICANT:
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COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC DOSZMET
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### SUMMARIES

	3, Appl		5, Appl	9, Appli	7, AFF	7, Appl	8, Appl	V. AFF	6, Appl	4, App.	2, AF: 1	75, Apr	76., Apr		
Description	Sequence 13,	Sequence 8,	Sequence	Sequence 25,	Sequence 27, April	Sequence	Sequence 2	C station they	Sequence 1	Sequence 1	5 Journals	Sequence 1	Sequence 136,	Sequence 199,	Sequence 200.
	US 09 769 066-13	H51-410-8	769-066-15	57-990 655	16.9-06.6 27	764-066-17	769 066-28	Trie Die, e. 24	759-056-16	769-056-14	46.8-147-92	468 147 175	468-147-176	468-147 199	468 147-200
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APPLICATION NUMBER: 13/09/205, 005
PTELNS DATE: 24 Jan 2001
CLAGGITT/PATON: Bake with
PRIOR APPLICATION NUMBER: 04/542,044
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   301 DFALELEFPNLTPGNTNTPSSPSTAPHPLPPGADGTAFTTTTAATREMKDLYFTSING 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VGETGRGTALTEFNLADTLEGGLPTELISSAGGQLFYSRPVVSANGEPTVKLYTSVENAQ 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           361 VGEIGRGTALTERI APTLESSLPTELLSSAGGLEFYSRPVVSANGEPTVKLYTSVENAQ 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               421 QDKGTATPHDTDLGESRVV1QDYDNQHEQDRPTPSPAPSRPFSVLRANDVLWLSLTAAEY 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              481 DQSTYGSSTGPVYSDSVTLVNVATGAQAVAPSLAWTKVFLDGPPLSTIQQYSKTFFVLP 54g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      541 ERGKESFWEAGTTKAGYPYNYNTTASDQELVENAATHRVATSTYTTSLEAAPVSTSAVAV ATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 MRPRPILLLLLMFIPMI PAPPPCQPSGPRPSGGSGGGFWGDRVDSQPPALPYIHPTN 60
                                                                                                                                                                                                                                                                                                         241 ASELVIPSEKLHYRNQOWRSVETSGVALERATSGLVMACTHGSLVASYTNTTYTGALGLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NYAQYPVAPATI PYPPI VPNAVGGYATSISFWPQTTTTPPTSVDMNSTTSTDVPTDVQFGT
                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                    Ö
                                                                                                                                                                                                                DR 10; Length 660;
                                                                                                                                                                                                                                                      Indels
                                                   STRANDEDNESS: Hepatitis E Virus (Burma strain) ORP-2
                                                                                                                                                                                                                                                    0
                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                100.0%; Spore 600; 100.0%; Pred. No. 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        : Reyes, Gregory E
Yarbough, Patrice O
Bradley, Caniel W
Krawczynski, Krzysztof 3
Tam, Albert
Fry, Kirk E
                                                                                                                                          ORIGINAL SOURCE:
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 8. Application US/09851410
Publication No. US20030124510Al
                    LENGTH: 660 amino acids
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                  100 ow.
                                                                                                        MOLECULE TYPE: protein
                                   TYPE: amino acid
                                                                                       FUPULUGY: linear
                                                                                                                                                                                                                                                    Matches 660; Conservative
                                                                                                                           HYPOTHETICAL: NO
                                                                                                                                                                                                                                 Best Local Similarity
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                                                                                                                                                                                118-09-769-066-13
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B. OFESSERVILESTONI A, TRE TOWN INTO INTO REPORT OF SEVER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                pat aath vip etrebrearians vyfteavanetae ba vmeetreeu va henete aanae. Boo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1. MPPPPTT TO TIMET PARTY AND SERVICE SERVICES SERVICES SERVICES TO THE TABLE AND THE 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181 AYAQYAVARATTARA DVENAV DYADOLOGWEQ DEFELOR MASELEED WEDGE 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 11; Length 560;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           n: Indole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compartible
APPEATING SYSTEM IN THE SAME INS.
PRESENTABLE PARCELLE FOLKERS FLA.
                                                                                                                                                                               STREET: 350 Cambridge Avenue, Suite 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 4600-0184.24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA: APPLICATION RUMBER: TEXTTY 851,410 FILLING PATE: 07-May-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MISHAIMING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 05-APR-1991
APPLICATION NUMBER: 08 07,505,888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 660; 1
100.0%; Pred. No. 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 07/367,486
                                                                                                                                  Pehlimer & Associates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ng 427, 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 04,7128,275
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SEQUENCE DESCRIPTION: SEQ ID NO: 8:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PECISIPATION NUMBER 42.995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Petithory, Joanne R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 324-0880
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 16-JUN-1989
APPLICATION NUMBER: 92-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 05-APR-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PILLING DATE: 11-APR-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AFFLITATI N BOMPUS, 33 (**)
FILING DATE: 17-JUN-1988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13-0xT-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM LYPE: Floppy disk
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                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Deblina
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                                                                                                                                                                                                                                                                                                                                                                                               COMPUTIER READABLE FORM
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                                                                                                                                                                                                                        CIIY: Palo Alto
                                                      NUMBER OF SECUENCES:
                                                                                                                                                                                                                                                                                                              V7.
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                                                                                                                                                                                                                                                                                                                                                      ZIP: 94 106
                                                                                                                                                                                                                                                                 STATE: CA
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4.21 OBESTATERIA ELESENVIA, PYARARIZA EPTETARESEPSYLFARINGES TARANTA 480
                                                                                                                                                                                                                                     541 LEGELSEWEAUTTRAGYPYNYN FASIAGLUVENAAGHEVALSTYTESEGAGEVSISSAVAV 600
                                                                                                                                                                                                                                                                                                                                                        60) TAPRSALALI EDITIDYPAKARI FIDPETPECRETGIAGOAFOSTVABLIQKLIKMKVGKTRDL 665
                                                                                                                                                                                                                                                                                                                                                                                                                                               (6.) VOED GROTALITENLADITLOGLETELISSAGGOLEYSREVVSANGEPTVKLYTSVENAG 420
                                                                                                                                                     121. ÇEKGTATPHDIJIZESEVVIÇEYINÇHPEDIRETEŞEALEREFİVI PANDVINIŞTIAAYY. 480
                                                                                                         661 VOBICROTALITIENLABILITOSTEPTELISSAGOÇILIYGRIVVCANOTETVELYISVENAL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: Hepatitis E vitus (Burma strain)
r62kba, FIGURE 4
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TELED-MARKNICALTON INFORMALLON:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 350 Cambridge Aye., Suite 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Dehlinger & Associates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: UNZO9/769,066
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 08,7947,634
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Fabian, Gary R.
PESISTRALION NUMBER: 43,875
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           McAt⊬e, C. Patrick
Yarbough, Patrice o.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILLING DATE: 24-Jan 2001
CLASSIFICATION: *Unknown >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IELEPHONE: (415) 424 0880
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  : September 15, Application 08/09769066
: Fatent No. 0820020107360A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM LYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IELEFAX: (415) 324-0959
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TITLE OF INVENTION: HEPATITIE E VIGIS ANTICENS AND USES THEREFIELD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDVNESS: Repatitis E virus (Burma strain)
                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Polease #1.0. Version #1.25
                                                                ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave., Suite 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RETERBETIZESCRET REMERK: 4690-0293.30
TELECOMBENTION INFORMATION:
TELEPHONE: (415) 824-0880
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FILLING DAFE: 24-Jan 2001
CLASSIFICATION: «Unknown»
                                                                                                                                                                                                                                        COMPUTER: IBM PC COmpatible OPERATING SYSTEM: PC DAS/MS/DS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORIGINAL SOURCE:
SEQUENCE DESCRIPTION: SEQ 10 No: 27:
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                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 08/542,634
                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DAIR: «Onknown»
ATTORNINT/ASINT: NINGRAFIE N:
NAME: Fabian, Gary R:
RRCLETRALION NINGREE: 34,875
                                                                                                                                                                                                                      MEDIUM TYPE, Ploppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPAX: (415) 324-0960
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENVITH: 52% amino acids
                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DAFA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 27; SEQUENCE CHARACTERISTICS;
                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
                       NUMBER OF SECUENCES: 31 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                            COMPUTER READABLE FORM:
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                                                                                                         CIIY: Palo Alto
STATE: CA
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                                                                                                                                                                            ZIP: 94306
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Best Local Similarity
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    VERYSHAVI, ARBEITVELLES, AVERA, 19.4. CTA TERROLL ELSENYT, JURISHILLEREN.

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Fille of Envention, Heralitis E Vikus Antigens and Uses Therefore
Number of Sequences: 41
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100.0%; Pred. No. 2.7e 291;
17e- 0; Mismatches 6; Indels (
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                                                                                                                                                                                                                                                                               19 J. PVOLICAVAVIJATIGALALIJUSTIJAYPAKAIISTIJANOPEGRPLOLQ 636
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McAtee, C. Patrick
Yarbough, Patrice o.
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CLASSIFICATION: *Chaknown*
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Fatent N. USZUGZUJO 460Al
GENERAL INFORMATION:
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Matches *27, Chuservative 0;
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PESSSIRATION NUMBER:
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HYPOTHETICAL: NO
ORIGINAL SOURCE:
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Best Local Similarity
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APPLICANT: Fuerst, Thomas R.
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                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: HEPATITIS E VIRUS ANTIGENS AND USES THEREFOR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS: Hepatifis E virus (Mexico strain) r62kps, 58.1 kps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER 05/09/769,066
FILING DATE: 24-Jan-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PEFFENCE/PUCKET NUMBER: 4+40-0293.30
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0880
TELEFAX: (415) 324-0860
                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Dehlinger & Associates
STREFT: 350 Cambridge Ave., Suite 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORIGINAL SOURCE:
SEQUENCE DESCRIPTION: SEQ 1D NO: 26:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATFORNEY/AGENT INFORMATION:
NAME: Fabian, Gary R.
PFOISTPATION NUMBER: 33,875
                                                                                                                                                                                                                                               McAtee, C. Patrick
Yarbough, Patrice O.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: <Unknown>
                                                                                                                                                      Sequence 26, Application US/09769066
Patent No. US20020107360A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     . Sequence 16, Application US/09769066
: Patent No. US20020107360A1
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                                                                                                                                                                                                                          APPLICANT: Fuerst, Thomas R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   'ILING DATE: <Unknown>
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                                                                                                                                                                                                                                                                                       Zhang, Yifan
                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: USA
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US-09-769-066-26
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GENERAL INFORMATION:

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                                                                                                                                 THILE OF INVENTION: HEPATIHS D VIRUS ANTIGENS AND USES THEREFOR
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Best Lord Similarity 100.0%; Pred. No. 2.4e 101;
Matches 120, C.dseventine of Migmatches 0; 104cle
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PYTHOSYMS-DOS
SOFTWARE, Fatentin Release #1.0, Version #1.25
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STREET: 350 Cambridge Ave., Suite 250
                                                                                                                                                                                                                                                                                                                                 350 Tambridge Ase., Suite 250
                                                                                                                                                                                                                                                                                        ADDRESSEE: Poblinger & Assoriates
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SEQUENCE DESCRIPTION: SEQ ID NO: 16:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REGISTRATION NUMBER: 34,875
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                               Yarbough, Putrice ∩.
Zhang, Yifan
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CLASSIFICATION: <Unknown ·
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Yarbough, Patrice o.
McAteo, C. Patrick
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; Patent No. US20020107360Al
; GENERAL INFORMATION:
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ACTORNEY/ACTOR - INC. EMAILTH:
NAME: Pablan, Gary P
REGIO....
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                                                                                                                                                                                     NUMBER OF SECUENCES: <|
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HYPOTHETICAL: NO
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ORGANISM: Heparitis E Viru

FEATORE:

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224 MNSTESTAWELLAGGGTASFLYTESFEHTWENGGWESVETSTVAEEFATSSLYMECHGS 283
224 MNSTESTAWELLAGGGTASELVTETFEHTHTHTHTHTHTHTHTHTHTHTH
224 MNSTESTAWELLAGGGGSELVTETFEHTHTHTHTHTHTHTHTHTHTH
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SIRANDIBNESS: Hepatitis E Virus (Mexico Strain)
                                                                                                                                                 SOFIWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                              PEPEPEN'E/Tocket NUMBER: 4500-0293.30
                                                                                                                                                                                                    APPLICATION NUMBER: USZ09/769,066
                                                                                              COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC DOS/MS-DOS
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CURRENT APPLICATION NUMBER: US/09/468,147A
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SOFTWARE: FISTSED for Windows Version 6.0
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EARLIER APPLICATION NUMBER: US 09/173,141
                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 08/542,634
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EARLIER FIGUN: DAIE: 1997-10-15
                                                                                                                                                                                                                                                                                                                                                                              NAME: Fablan, Gaty R.
PEGISIPATION NUMBER: 33,875
                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IELEPHONE: (415) 424 0880
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 92, Application USZ09468147A
Publication No. 0S20030049601A1
                                                                                                                                                                                                                          FILING DATE: 24-Jan-2001
CLASSIFICATION: *Unknown.
                                                                        MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (415) 324-0960
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGIH: 650 amino acids
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ALLORNEY/ASIGNI IMPORMATION:
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                                                                                                                                                                         CUPPENT APPLICATION DATA:
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APPLECANI Effect, James G.
APPLECANI Desai, Sorresh M.
APPLECANI Diagson, George J.
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                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
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HYPSTHELLSAL: NO
OPTSINAL SOURCE:
                                             COMPUTER READARLE FORM:
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TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DE EVITNE
TITLE OF INVENTION: HEPATITIS E VIEUS
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OTHER INFORMATION, Xao. Unknown or other at position 484 OTHER INFORMATION: Xao. Utknown or other at position 542 OTHER INFORMATION: Xao. Utknown or other at position 595.
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100.0%; Prest, No. 1.76-47;
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1005/%; Fred. No. 4, 7e for
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CURRENT APPLICATION NUMBER: 052052400.147A
CURRENT FILIMS 6418.1000-12.4
EARLIER APPLICATION NUMBER: 03-05212.411
EARLIER APPLICATION NUMBER: 03-05001,109
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SOFTWARE: FastSED for Windows Version 6.0
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Matches 75; Conservative
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GENERAL INFORMATION:
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APPLICANT: Schlauder, Seorge 3
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Tichos 61: Conservative
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Best Local Similarity 100.0%, Prod. No. 1.7e-47;
Matches 51; Conservative 9; Mismatches 9; Indels
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                                                                                              FILLS OF INVENTION: METHOUS AND COMPOSITIONS FOR DETECTING TITLE OF INVENTION: HEPATITIS & VIRUS
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APPLICANT: Brker, James C.
APPLICANT: Bread, James C.
APPLICANT: Deads, Suresh M.
APPLICANT: Mushahwar, 1. K.
APPLICANT: Mushahwar, 1. K.
APPLICANT: MUSHAHWART, 1. K.
APPLICANT: MUSHAHODS AND COMPOSITIONS FOR DETECTING FILLS OF INVENTION: HEPATITIS E VIRUS.
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                                                                                                                                                   FILE REFERENCE: 6232.US.Pl
CURRENT APPLICATION NUMHER US,09,468,147A
                                                                                                                                                                                                  CURRENT FILING DATE: 1999-12-21
EARLIER APPLICATION NUMBEP- US 04/173,141
EARLIER FILING DATE: 1998-10-15
EARLIER APPLICATION NUMBER: 0.5 fa,0061,194
EARLIER FILING DATE: 1997-10-15
NUMBER OF SEQ ID NOS: 258
SSFTWARF: FastSPQ for Windows Version 3 9
SEO ID NO 176
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NUMBER OF SEO 1D NOS: 258
SOFTWARE: FastSEQ for Windows Version 3.0
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US-09-468-147-199
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GENERAL INFORMATION:
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ORGANISM: Hepatitis E Virus
                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRI
ORGANISM: Hepatitis E Virus
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) OTHER INFORMATION: X33 - U54
US 09-468-147-176
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                      APPLICANT: Desai, Suresh M.
                                                  APPLICANT: Dawson, George J
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APPLICANT: Erker, James C.
                                                                           APPLICANT: Mushahwar, I.
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US-09-468-147-199
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111LE OF HVENTTON: METHODS AND CHARSTITIONS FOR DETECTING
TITLE OF HVENTTON: HEPATITIS E VIRUS
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100.0%; Fred. No. 1.8e-47;
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- совещят втили DATE: 1999-12-21
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EARLIER FILLED DATE 1908 10 15
EARLIER APPLICATION NUMBER: US 60/061,199
EARLIER FILLED APPLICATION NUMBER: US 60/061,199
NUMBER OF SEQ 10 PG 258
SOFTWARF PASTSEQ for Windows Version 3.0
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Sequence 266, PELIGITION US/09468147A
Pubblication No. US20030049601A1
GEMPRAL INFORMATION:
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APPLICANT: Schlauder, George G.
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APPLICANT: Desai, Suresh M.
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Post processing Listing first 45 summaries

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SUMMARIUS

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structural protein 2 precusor— hepatitis E virus (stadio Gorma) O.Species: hepatitis E virus O.Date. 30 Sep. 1992 #sequence revision 30 Sep.102 #tout clause 23 Jul 1999

Virology 185, 120 (C), 1991 The common period of the Common Laws FIF. K Ed. Pepsel AJTILE: Hepatlins E virus (HEV): moderular cloning and sequencing of the toll length Ajkelerence number: A4078; MULD: Vel-4-KO; PMID:1926/ D Refaul, A.W.; Smith, M.M.; Guetra, M.E.; Buatot, J.C., Bradloy, L.W.; Fry, K.E.; Poyes, Viroloay 185, 120 (3), 1991 C; Accession: C40778

Asmolecule type: demande ENA

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Astross-references: 3E-M7 (21R) Nicoakkengk; PiDNSAAAF (46.1): PiDcakkengk Astross-references: 5E-M7 (21R) Nicoaken (56.1) PiDNSAAAF (46.1): PiDcakkengk Astrost the authors translated the coopen (56.1) to residue 2 as Ala C.Seperlamily: bepartitis E.V. Prints Structural protein 2.

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A.Filler Complete Genome Sequence of Caulobacter crescentus.
A.Recession, PWF649.
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Plank Mol. Hold. 12, 634-593, 1989
AJIII e. Analysis of the genes of the UEEI and UEE3 professor the professystem II co. A. Reference number: S08508
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A.Tille: Protanies of repulles.
A.Reference number: A58208: MUID:96-94458; PMID:8798564
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Ajdrosa references: GRIAE05573: NHU-413421916, PHRLAAK25191.1. OSFDB.GNO-148
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Ajmolovaje type: DNA
Ajkosiologa: 1 199 - GNAY
Ajcreso references: EMML:X12832; HIRTA18153; Pibrq18164
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C.Species: Blaphe obsoleta quadrivittata
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A:Molecule type: protein
A;Residues. 1 41 <HUN>
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Virology 191, End 558, 1992
A;Ille: Wolecular clouding and sequencing of the Mexico isolate of hepatitis E virus (HH
A;Reference number: A44212; MHTP-910798F7; PMID-1448913
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A.Molecule Lypc: ENA
A.Residues: 1 1091 (STO)
A.Residues: 1 1091 (STO)
A.Residues: 1 Real (STO)
A.Residues: 1 Real (STO)
A.References: GR-APHOLS14; GR-KAHHHOM4; NID-g10174613; PIDN-HAHHS949 1; GSPDH-GNG
A.Referimental source: strain C-125
C.Senelics:
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P.Takaki, E., Maene, G., Sasaki, E., Masul, N., Fuji, F., Hiza Nucleic Acids Res. 28, 4317-4331, 2000
A)Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and A)Feterence number: A83650; MUID:20512592; PMID:11058132
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hyperbovical protein BH2279 (imported) - Bacillus halodurans (strain G-125)
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G/Superfamily; hepatitis E virus structural protoin 2
G/Seywords: Structural protoin
F)-1-27-Pradit: Signal Sequence #813108 proditor / VSIG>
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Ed.3 (C.9, Product - Structural protein 2 #status prodicted STC).
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Best Local Similarity 100 0%; Pred No 5 46-107;
Matches 120; Canservative 0; Mismatches 0,
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A:Molecule type: genomic RNA
A:Residues: 1-659 <HUA>
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RESULT 3

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AjMolecule type: DNA
AjResidues: 1-243 - MCS-
AjCross-references: 3R:D10470; BJR CD-01127, NIPC-4227 Pd.; PIDN.BAA-1297 J: PH: 1227 Pd
                                                                                                                                                                                                                                               R:Medeoch, D.J.; Cunningham, C.; Melntyte, G.; Lelan, A.
J. Gen, Vilol. 72, 8657–8655, Fed
ASTILLE: Comparative sequence analysis of the long-recent regions and adesigning parts
A:Reference number: JQ1494; MILLESIN 649; FMID:Lesser
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AZITIGE Complete nactearide sequence of the Europäta jurparea characterist acromed.
AZEC-Percent number: $7,4108.
AZEC-PSEIGH: $7,479.
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C.Species: Caemorhabilitis elepans
C.Date: 15 oct-1999 assignmente registon 19 oct-1999 assignmente registon 19 oct-1999
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Ajcross references. EMMLicenfol, ribks AACLES.L. Sariacskyndill: CESPEMDE.7
AjExperimental source: clone MDM
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CiSpecies: chloropiast Fouphyra pinpurea
CiDate: 19-Mar 1997 #sequence, registora 39 May 1997 #foxt chunge 13 Am 1909
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A;Arcession: T23797
A;Status: prefimitary: translated tibm-3k/EMBL/labs)
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January Fred, No. 208
Tive by Mismatches
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                                              ULA profetti - human bespesvitus 2 (strain 1805.)
CiSpecies: human bespesvitus 2
A;Note: bost Homo sapiens (man)
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Matches 8: Conservative
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R;Reith, M.; Munholland, J.
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Best Local S
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Cikeywards; chloroplast; membrane protein; photosynthesis; photosystem II
Ell Gløbamin, transit poptide (chloroplast) #status predicted «INP»
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Accression: $72244
Astrice: preliminary function acid sequence not shown Askeres: 1 202 CRO.
Askeres: 1 202 CRO.
Askeres: 1 202 CRO.
Astrices: reterences: EMBL:022339; NID:q732545; FIDA:AAB40980.1; FID.q732536
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All to: Service 254, 232 (2428, 2004)
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References: P. 18 Hinkley B.: Gattoing, S.: Miller, N.: Blanchard, M.: Qurollo, B.: Goldman, A.: Liu, F.: Wellam, C.: Allinger, M.: Doughty, D.: Scott, C.: Lappas, C.: Markelz, B.: Science 244, 244, 2444, 2004
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Cyspecies: Volvox carteri
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Perbot, S.: Przybylska, M.; Straus, D.
Purr, Genet, 30, 447–55, 1996
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A:Map position: circular chromosome
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Matches B: Conservative
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submitted to the Protein Sequence Database, April 2000
A:Perropre number: 224493
A:Accession: 148639
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A:Reterence number: 223012
A:Accession: T45737
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CiSpecies: Arabidopsis thaliana (mouse ear cross)
CiDalor 201Apt-2000 Escapenor—registed TO Apt-2000 Etext_change TO Apt 2000
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A:Experimental scurce: cultivar Columbia; BAC clone P24M12
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        Asteron and Asteroplast Asteroplast Asteromal protein $2 C; Superfamily: Escherichia coli ribosomal protein $2 C; Superfamily: Escherichia coli ribosomal protein $2 C; Kerwarda - Eleriplast, En teid linsputhesis: ribosume
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A;Introns: 727: 118/2: 192/3: 219/3: 240/3
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Best Local Similarity Tup.s.
Nest 8: Conservative
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A:Molecule type: DNA
A;Residues: 1-273 <BEV>
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A:Molecule type: DNA
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RESULT 14

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Schole, STILL Engineter, K.; Farkhill, J.; Junes, K.D.; Thomson, N.R.; Wheelett P. R.; Egole, S. T.; Eisimeter, K.; Farkhill, J.; Junes, K.D.; Thomson, N.R.; Wheelett P. R.; eam, M.A.; Kuther ford, K.M.
Nature 409, 1007-1011, S.; Segit K.; Simport, M. Shijter, B. Shijter, S.; Segit K.; Simport, M. Shijter, M. Shijter, E. S.; Segit K.; Simport, M. Shijter, B. Shijter, S.; Segit K.; Simport, M. Shijter, B. Shijter, S.; Segit K.; Simport, M. Shijter, B. Shijter, B. Shijter, S.; Segit K.; Simport, M. Shijter, B. Shijter, B. Shijter, B. Shijter, S.; Segit K.; Simport, M. Shijter, B. Shijter, 
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AJRCference number: A70300; MOID:98198666; PMID:9537320
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A:Status: preliminary; nucleic acid sequence not shown; translation not shown
A:Molecule type: DNA
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C.Nate. 09 Mar 1908 #sequence_recision 18 Ma, 1908 #fext_change 17-Mar-2006
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"Charriteticutist of a protocype strate of hepatitis E vicus.",

Proc. Natl A-ad Sai H. S.A. Rates-63(1942)

-!- FUNCTION: CONTAINS A HIGH BASILE AMINO ACID CONTENT SUGGESTING

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BY EFFECTIVELY NEUTRALIZING THE NEGATIVELY CHARGED ENA.
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This SWISS-PROT entry is copyright. It is produced through a collaboration
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                                                                                                                                          97. ASRRRPTTAGAAPUTAVAPAHDTEPVEDVBSRGATIJRKQYNI,STSFGTSSVATGTNI VL.Y. 156.
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Rikihisa F., Wina K.;
       Sgore 408: DB 1: Length 660:
Pred. No. 0:
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Viruses; sskNA positive strand viruses, no DNA stade:
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Wang C. K., Shikota I., Pchikowa M., Pikihisa I., Monuco K.,
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Mistoliol. Immunol. (6:67-79(1992).
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Prod. No. 4,1c 118;
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Matches 128; Conserrities 9; Misharches
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MEDGINE 9226/477, PubMed 1584074;
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EMBL: [][0440; BAA01174.1; -
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Plan; PPO3014; SPZ: 1.
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This SWISS-PROL entry is capyright. It is produced through a collaboration between the SWISS Institute of Booluformatics and the EMML outstation. The European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as lone as its content is in no way modified and this statement is not removed. Bean by and for connected entities requires a firetes astrocont (For Miller, **** at site, by or connected or send an email to licensee its sib.ch).
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D., Majfield S.F., Jahrman Bahite G., Frank H., Edder H., E Jaha J. D., "Analysis of the genes of the \delta^{\prime} the \delta^{\prime} I had \delta PFC protects of the
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Bradley D.W., Fam A.W., Royes G.E.;
"Molecular cloning and sequencing of the Mexist asolate of hepalitis
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Virology 191556 -58(1992).
-i.-EUNCTION: CONTAINS A HOSE BASIN' AMINA AND NUMBER SHASHSTING
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photosystem II complex of Chlumydemenus reinhardtii.",
Flant Mol. Biol. 12:682-693(1989)
-!- SUBCEGLUBAR LOCATION: Chloroplast thylakoid membrane; associated
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16-00T-2001 (Rel. 40, Last sequence update)
16-00T-2001 (Rel. 40, Last annotation update)
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MEDLINE-96376499; PubMed-8781179;
Choi G., Przybylska M., Straus D.;
"Three abundant qerm line-specific transcripts in Volvox carteri
encode photosynthetic proteins.";
Curr. Genet 30:447-355(1995)
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TIGREAMS: TIGR01409; TAT_Signal_Seq: 1.
PRofosyn'Bosis; Photosystum II. Chlocyflatt, Transit poptide.
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Q41643;
                                                                                                                                                                                                                                                                                                                                             SEQUENCE.
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This swiss PROT entry is cupy table. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation between Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as loss as its content is in no way modified and this statement is not removed. Usage by and for commercial modified and this statement is not removed. Usage by and for commercial or modern commercial to the commercial commercial content and modified and this statement is not removed. The laws table if the commercial content and modified and this statement is not removed.
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BERL faxto 2787;
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Mischen D.J., Cuntinaham C., Melotyre G., Dolan A.;
Mischen D.J., Cuntinaham C., Melotyre G., Dolan A.;
Mischen D.J., Cuntinaham C., Melotyre G., Dolan A.;
Mischen T., Mischen D., And D. VZV 58.
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25649 MW: B18F613HD839A24 CR:54;
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Viruses, dsDMA viruses, se EMA state. Herpesviridae:
                                                                                                                                                                                                                                                                                                                                                                                                                                          01-DBC-1992 (Rel. 24, Created)
01-DBC-1992 (Rel. 24, Last sequence update)
01-PBC-1992 (Rel. 24, Last annotation update)
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01-077-1996 (Rel. 34, Last sequence update)
28-PIRE-2003 (Rel. 41, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                              T3..
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                                   Loral Similarity 190,8
es 8; Conservative
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                                                                                                                                       93 RPAVASRK 100
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es 8; Conserve
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entities requires a license agreement (See http://www.isb-sib.ci/announce/or send an entit to licenseatsb-sib.ch).
                                                                                                  This SWISS PPOT entry is copyright. It is produced through a collaboration to the SWISS Institute of Bioinformatics and the EMBL outstation .
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Leonard S., Meyer R., Mulvaney E., Ozersky D., Filbey A., Strowmatt C.,
Wagner McPerson C., Wollam A., Yoakum M., Hell M., Dedhia N.,
                                                                                                                                            the European Hoinformaties Institute. There are no restrictions on use \nu\gamma non-profit institutions as long as its content is in no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Arabidopsis Halliana (Mouse-car cross).
Bokaryota Viridiplantae, Streptophyla Bmbryophyta: Tracheophyta:
Spermatophyta: Mambiliophyta: cudicotyledons, core cudicots, Rosidac,
curosids II; Brassicales; Brassicacea; Arabidopsis.
"Samplete nacieotide sequence of the Porphyra purpurea chloroplast
                                                             SIMILARITY: BELONGS TO THE SZP FAMILY OF RIBOSOMAL PROTEINS.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1,2%; Score 8; 58-1; Longth 241; 100,0%; Prod. No. 7,7; 4ffer 0; Mismatches 0, Indels
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28 PEB 2003 (Bed. 41, Last samplemee update)
28 PEB 2003 (Bed. 41, Last amnotation update)
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                                         Plant Mol. Biol. Rep. 14:344-345(1995).
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PPOSTIE: PS00963; RIBOSOMAL_S2_2; 1.
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Sabaline 2016/21: Pubmed 11130714:
Labata S., Kiroko J., Nekamira Y.,
Riyajima N., Sasamoto S., Kimara T.
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LOGEFAMS: TIGROLOTE: rpsR_bact; l.
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Best Local s
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    Nation 408 825 826(2000).
    PUNETION: Reserves the termyl aroup from the Microsidal Motios newly synthesized proteins (By Similarity).
    -i. CAIAIVIIC ACTIVITY: Formyl Emphricoly prepide (BC)0 tornate).

Parnell L., Shah K., Koditsonz M., Bondi Serili, Vil P., Baker J., Firstin Editor A., Miller M., Marta M., Martinassen K., McCombie W. F., Kolsen B.K., Murphy G., Bandrall I., Volckaerl G., Wambutt R., Forestebaerl A., Strekena W., Pobi I., Landlan K.-D., Jerlyn N., Bartiey N., Martiey N., Strekena W., Pobi I., Bandlan S.-A., McColladh E., Folgen J., Orignoster R., Zimmermatt W., Ramsperger U., Wedler H., Earke K., Wedler E., Forters S., Immermatt W., Ramsperger U., Medler H., Earke K., Wedler E., Forters S., Henpe S., Weitzengager I., Bothe G., Fosse M., Hand J., Berneiser S., Henpe S., Feldpausch M., Lamberth S., Villarroel K., Steles J., Ardless W.
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TRANSIT 1 2 OHLOWOPLAST (POTENTIAL).
CHAIN 2 223 PECTED PURCHANTA.
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Putative thiosoffate suffortransferase (B' 2.8.1 l) (Rhadamese like
                                                                                                                                                                                                                                                                                     denote to promote P. Enlose G., Mayor Electric Bild S., School H., Schneller C., Zastalia P., Mewes H. W., Beran M., Eldsey P.F., "Sequence and analysis of chromosome 5 of the plant Anabidopsis thalland.";

    OPFACTOR: Binds 1 from(11) ron (By similarity)
    SUBCELLUIAR LOCATION: Chlorophast (Forontial).
    SIMILARITY: BELSHOR TO THE EQUIPMENTED FOR PAMILY.

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NYBE Laxib 1765.
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S. R. (TN DEF. D).
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Pfam: PF01327; Pop_deformylase; 1
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273 AA.
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Q50036;
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    CATALYTIC ACTIVITY: Thiosulfate · cyanide = sulfite · thiocyanate.

                                                                                                                                                                                                                                   Cole S.T., Eighmeier K., Parkhill J., Tames K.D., Thomson N.P., Wheeler P.R., Honore N., Garnier T., Churcher C., Harris D., Mundall K., Basham D., Blown D., Chillingworth T., Connor R., Holroys R.M., Devlin K., Duthoys S., Feltwell T., Fraser A., Hamlin N., Murphy T., Oliver K., Quall M.A., Fajandream M.A., Rutherford K.M., Rutter S., Seeger K., Simonds M., Splice J., Squares R., Squares S., Stevens K., Taylor K., Whitehead S., Woodward J.R., Barrell B.G.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota, Metazoa, Nematoda, Chromadorea, Phabdilida, Bhabdiloidea,
Rhabdilidae, Peloderinae, Caenorhabdilis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ċ
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30-MAY-2000 (Rel. 39, Last sequence update)
15-SFP-2003 (Pel. 42, Last annotation update)
Hypotherical protein 10465 lin eltramesame III procursor
                                                                    Submitted (SEP-1994) to the EMRL/GenRank/PPRJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RHODANESE 1.
RHODANESE 2.
BY SIMILARITY.
- 527F05478739691 CPC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Massive gene decay in the leprosy bacillus.";
Nature 409-1007-1011(2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ! SIMILARITY: Contains 2 rhodunese domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                412 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Interpro: IPR001763; Rhodanese-like.
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                                                                                                                                                                                                                MEDLINE=21128732; PubMed-11234092;
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PROSITE: PSOO583, PHODANESE_2; 1.
PROSITE: PSSOO6; PHODANESE_3; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN·Bristol N2;
MEDLINF=94150718; PubMed=7906398;
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233 233 233 277 AMV:
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Best Local Similarity 100.08.
Matches 8; Conservative C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL, U15182; AAA62982.1;
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                                     Smith D.R., Robison K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Caenorhabditis elegans.
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Leproma: ML2198; -.
                                                                                                                                           SEQUENCE FROM N.A.
SEQUENCE FROM N.A.
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P34554;
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Wilson E., Ainscoudh E., Anderson E., Baynes C., Berks M., Genstield J., Burton J., Conneil M., Capacy I., Cooper J., Guison A., Craxton M., Hear S., Du Z., Purkin B., Farorlo A., Farser A., Fulton L., Gardner A., Green P., Hawkins T., Hillier L., Jier M., Johnston L., Jones M., Kershaw J., Rirsten J., Laisster N., Latreille P., Lightning J., Hoyd C., Mortimore B., O'Calladian M., Parsen, J., Fully C., Fifker, L., Eagin A., Sarnders C., Shownbeen R., Sims M., Smaldon N., Smith M., Scundammer F. Staden R., Saltston J., Thierry-Mieg J., Thomas K., Vaudin M., Vaughan K., Mateston K., Mateston A., Meinstock L., Milkinson Sproat J.,
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Jona M.F.C., Gray T.A., Ji Y., Glenn C.G., Sattoh S., Driscoll D.J.,
Nicholls R.D.
"A novel imprinted gene, encoding a KINS zinc finger professor and
everlapping antisonse transcript in the Prader-Willi syndrome
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CHAIN 22 412 HYPATHETICAL 49.5 KDA FROTEIN FÚSGS.11.
SEQUENCE 412 AA: 44529 MW: 41AADé8C151918BA CRO544:
                                                                                                                                                                                                                                                                                                                                                                                                        2 Mb of engliquing namelouside sequence from charge-me [1] of C.
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Mammalia, Eutheria, Primates, Catarrhini, Huminidae, Hemo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 412;
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-!- TISSUE SPECIFICITY: Ubiquitous.
-!- SIMILARITY: Contains 1 RINS-Type zinc finger.
! SIMILARITY: Contains 3 C 4H type zinc fingers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.2%; Score 0; NB 1;
100 (0) Préd. NO. 12;
tire 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15 SEP 2003 (Rel. 42, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28 FTB 2007 (Rel. 11, Prosted)
28-PEB-2003 (Rel. 41, Last Sequence update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBE; 227079; CAA81593.1; -.
PIR: FRR563: FRR563
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WormPep; T05G5.1; CE21151.
InterPro; 1PR066210; 1EGF.
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Hes 8, Conserv
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                                                                                                                                                                                                                                                                                                                                                                      Wohldman P.;
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                                                                                                                                                                                                                                                                                                                                                                                                                                          elegans.";
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This SWISS PROF outry is capyright. If is produced through a collaboration between the SWISS Institute of Bioinformatics and the EMBE outstation \gamma
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Ahn A.H., Perenre C.A., Gussoni E., Yoshida M., Ozawa E., Kunkel L.M.;
"The three human syntrophin genes are expressed in diverse tissues,
have distinct chromosomal locations, and each bird to dystrophin and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The receptor tyrosine phosphatase like protein ICAS12 binds the PDZ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Caps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FIRM N.A. (DESPORM 1), AND INTERACTION WITH DMD; DINA AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28 FEB 2003 (Pel. 4), Last sequence update)
28 FEB 2003 (Pel. 4), Last annotation update)
Bela-2-syntrophin (59 Kba dystrophin-associated protein Al, basic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens (Human). Enkarp94: Marmalia: Wertebrata: Enteleostomi: Mammalia: Entheria: Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        dometins of beraž syntrophin and mRes in panerealic beta cells. Four 1 Tell Riol. 79:621:640(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    component 2) (Syntrophin 3) (SNT3) (Syntrophin-like) (SNTL).
SNTB2 -8 SNT2B2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SECTION TO THE MILAL (TOTAL DAY INTO INTO A TOTAL INTERNATION WITH FITTING
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.2%; Score 8; DB 1; Length 507;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      420 - C3H1-11EB 5.
55644 MW; 2EBBA91190F3A292 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C3H1-TYPE 1.
C3H1 TYPE 2.
MAKOKIN-TYPE CYS HIS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Fred. No. 15;
Live 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                   Gos Gosgoog (23) Firstbongeleaprotein; TAS,
LaterPros 1PRO00571; Znf_CCCH.
InterPros 1PRO01841; Znf_cing.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KING-TYPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (Norm. 271:2724-2730(1995)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Plans PF00097; z1-C3HC4; [1, Flans PF0064z; z1-C3Hz 3, MARKI: SM00184; PLING; 1, SMARC: SM00184; PLING; 1, PR0811E; PS00518; ZE_RING; 1, PP0S11E; PS00518; ZE_RING; 1, PP0S11E; PS00699; ZE_RING; 1, PP0S11E; PS00699; ZE_RING; 1, PP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILEX
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28 FEB 2003 (Rel. 41, Created)
28 FEB 2003 (Rel. 41, Last sequ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Solimena M.:
                                                                                                                                                                                                                                                EMBL: 013107; AAC13989.1;
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es 8; Conservative
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                                                                                                                                                                                                                                                                       21P; 30[614; 30[614]
35hew) BGNC:7114, MKPN3.
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Frochner S.C., Solim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 te) 4 5.07 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Zine linger: Repeat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI TIXID 96(6)
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                                                                                                                                                                                                                                                                                                                                            MIM: 50 (85'6);
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ZN FING
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110 SNRA BID

121 24 PEB

121 24 PEB

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124 PEB

125 PEB

127 24 PEB

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120 CON M
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   S 로모코로로 돌 돌 돌 돌 돌 돌 돌 돌 돌 등 등 등 등 등 등 등 등
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callites requires a license agrees " (See Edg./Canach) and by commercial or send an enact to license usbesto), as this property of the commercial of the commercial or send an enact to license usb sibach).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               the Kuropean Broinformatives fustifule. There are restrictions on it must be more profit institutions as roted as the control of the no walked and this statement is not removed. Esseet by and for commercial control of the remains of the commercial control of the control of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             dystrophin 413/coprotein (wap bek. Ma) play a role in the comflation of secretory arangles via its interaction with P198N.
SUBMINIT: Mornomer and homodimer (Probable). Lateraris with the other members of the syntrophin tamily: SNIAL and SNIAL, and WP19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        similarity). Inferacts with the dystrophin profesh DMD and related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        proteins filts and OTRN, and with the neuron-ordin receptor BERMA. Interacts with PHTRN When phesphorylated, proteing PFFRN from protein cleavage by CARNI, Dephesphorylation upon insulin stimulation disrupts the interaction with PFFRN and results in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         related proteins:
TISSUE SPECIFICATY: Disputrous. Isolonal. is the probabilish of isolona work level of isolona z is prosent in all tested fissues, except in liver and heart where it is brighty expressed.
DUMMAIN: The PH I domain mediates the obliquate station in a calcium dependent manner (By similarity).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DOMAIN: The PDZ domain binds to the last three or four amine acids
                                   Garcia R.A., Vas.devan K., Buotanne A.:
"The newrequing receptor Erbs 4 interacts with 152 containing protecus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -1- FUNCTION: Adapter profeso that binds to and probably organizes the
subcellular localization of a variety of membrane proteins. May
link various receptors to the actin egreskeleton and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    exclusively localized at the neuromosedar fraction (by similarity). In inscrinena cell line, it is exambled in secretary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              the sodian channel professions 3000 and 5000. Interacts with SAST, MAST205, nicrotubules and microtubule associated proteins (by
                                                                                                                                                                                                                                                                                                                                                                     "Dephosphorylation of betaz syntrophin and Carizon calpain mediated cleavage of 1741z upon stimulation of insilin secretion.";
                                                                                                                                                                                                                                                           MEDIANE 21376-049; PubMed (1480)-5;
ORT T., Voronev S., Guo J., Zawalich K., Prochner S.C., Sawallet, W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                of ion channels and receptor proteins.The assectation with dystrophin or related proteins probably leave. The EEZ domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Isoid-Qi (425-1; Sequence Displayed;
more 2: Spring Better synthetophinon;
Isoid Qi (425-2; Sequence VSF code 68; VSF numero;
Note Lacks domains reported for interactics with dystrophin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       60. 60.0016610: Pulystrophin assertated thyropoletic complex: IAS,
60.0005624, Cimembrane traction: IAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      available to recruit proteins to the membrane (By similarity)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          -!- DOMAIN: The SU domain binds calmodalin in a calcium dependent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                :!- PTM: Phosphorylated, Fartially depleadated upon meatin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SUBCELLMIAR LOCATION: Membrane associated. In muscies, it is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ete SIMILARITY: Contains 1 SU (syntrophin unique) domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Egent, Alternative splicites, Named isoteons 2
Name 1; Synonyms Betal Syntrophin's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRILARITY, MILLARITY OF THE SYNDOPHIN FAMILY SIMILARITY, COntains 1 1927/01R domain.
                                                                                                                                             Proc. Natl. Acad. Sci. B.S.A. 97; 6896 4601 (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Contains 2 1H domains
MEDLINE 20202681: PubMed 10725395;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EMBL; 040572; AACL0449.1;
EMBL; AP243385; AAK15149.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                               20:4013 4023(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 manner (By similarity)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gene'w, HGNC: 111169. SNIBE.
                                                                                                                                                                                                                       INTERACTION WITH PTPRN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cleavage of PTPRN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HSSP; P29476; LUAV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            stimulation.
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                                                                                                                                                                                                                                                                                                                                     Solimena M.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Namer 2:
   婡죡필醛속잘주주쪽쪽프로속장된동안된음안당당한양당와 있는 사람들 수 있는 수 있는 사람들 수 있는 사람들 수 있는 수 있는 사람들 수 있는 수 있는 사람들 수 있는 사람들을 가득하는 수 있는 수 있는 사람들이 되었다.
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01-AUG-1992 (Rel. 23, Greated)
01-AUG-1992 (Rel. 23, Last. sequence update)
15-SEP-2000 (Pel. 42, Last. annetation update)
Arryl Hydrocarban receptor nuclear translocator (ARNT profeso) (Diskin
receptor, nuclear translocator) (Hypoxia-inducible factor 1 beta)
                                                                                                                                                            Actin-binding, Cytoskeleton, Microtubules, Calcium-binding,
Calmodulin-binding; Membrane, Phosphotylation; Fogeat, Polymorphism;
Multigene family: Albernative splicing.
DOMAIN 153 300 PH 1.
DOMAIN 163 300 PH 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens (Human).
Eukirymia Mominia, Chepdia, Craminia Vortekrata, Filedominia.
Mammalia: Eutheria: Primates, Catarrhini; Hominidae: Homo.
                                                                                                                                                                                                                                                                                                                CALMODULIN-BINDING (BY SIMILARITY).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ü;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Cloning of a factor required for activity of the Ah (dioxin)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Wang G.L., Tiang B.-H., Rue B.A., Semenza G.T.
"Hypoxia inducible factor I is a basic holix loop-holix PAS
Hypoxia inducible factor I is a basic holix loop-holix PAS
Proc. Natl. Acad Soi II S.A. 92-8510-8514(1965).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hoffman E.C., Reyes H., Chu F -F , Sander F , Conley L H
Prooks B A , Hankinson O :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1; Length 540,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Submitted (MAP-1999) to the EMBL/GenBank/FDBBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                              > E (IN JESNP.1058482).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     53A9P3340NMO24ED CPC64;
                                                                                                                                                                                                                                                                                                                                                                              LI -> QN (in isoform 2).
/FTId-VSP_006358.
                                                                                                                                                                                                                                                                                                                                                                                                                      Missing (in isotorm 2). /FIId-VSP (006359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /FTId=VAR_014076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            789 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred No 15, 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE-92271249, FubMed-1317062,
Reyes #., Reisz Porszasz 8., Hankinson 0.,
                                                                                                                                                                                                                                                                                                                                                          POLY - ALA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 8,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDI.INE=91240280; PubMcd=1852076;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            $POUENCE OF 186-203 AND 562-694.
MEDLINE-95296340; Pubmod-7539918.
                                                                                                                     PROSITE: PS50106; PDZ; 1.
PROSITE: PS50003; PH_DOMAIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   57949 MW;
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Best Local Similarity Ter-
Local 8; Conservative
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               InterPro; IPR001849; PH.
Pfam: PF00595; PDZ; 1.
Pfam: PF00169; PH: 1.
InterPro; IPR001478; PDZ
                                                                             SMART: SM00228; PP7; 1
SMART; SM00233; PH; 2
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This SWISS FROT entry is outpuight. It is produced through a callaboration between the Swiss Institute of Bioinformatics and the EMML outstation the Burgeral Bloinformatics institute are no restrictions on its use by conspecific institutions as last as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license alternate (see http://www.ist.statemercial.or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . TAS
"Identification of the Ah receptor nuclear translocator profein (Aznt) as a component of the DNA binding form of the Ah receptor."; science 256:1193-1156(1952).
-i. FUNCTION: PEQUIED FOR ACTIVITY OF THE AH (DIOXIN) RECEPTOR. THIS FEGURE FOR ACTIVITY OF THE AH (DIOXIN) RECEPTOR. THIS FEGURE FOR THE NUCLEUS AFFER LICAND FINIONS THE CYPTOR ITHE CAPTOR BINDING THE CAPTOR THE CAPTOR THE AMOUNT OF A GENES INVOLVED IN THE ACTIVATION
                                                                                                                                              SURBILL. EFFICIENT DAM BINDING REQUIRES DIMERIZATION WITH ANOTHER PHILL PROTEIN. FORMS AN HEIRRODIMER WITH AHR, WITH HIFLA AS WELL AS WITH OTHER PHEN PROTEINS. INTERACTS WITH TRANSFORMING ACIDIC CONTINUATIONS PROTEIN 3 (BY SIMILARITY).

SUBCELLULAR LOCATION: Nuclear.
ALTERNATIVE PRODUCTS:
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Isaid P274c 2, Sequence VEP_C02092;
SIMILARIY: RELOWS TO THE RASE HELIX-LOGE-HELIX (BHLH) FAMILY OF
TRANSFERETION FACTORS.
                                                                                                                                                                                                                                                                                                                                                                                      SIMHIAPHY: Contains 2 PAS (PPP-APNT-SIM) dimerication domains. SIMHIARHY: Contains 1 FAS associated C-terminal (PAC) domain.
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BELLE :- FIGLIN MAIN: BELLE :- FIGLIN MAIN.
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70. GT_007677. Fig.1 hydrian broughtor michost translows.
60. GO:005713; Filthing constitution of billy: TAS.
60. GO:007770; Fittmasseription factor settory; TAS.
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Isold P2754; 1; Sequence-Displayed;
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InterPro; PR0010057, Nuc_translocat.
InterPro; IPR001610; PAC.
InterPro; IPP000014; PAS_domain.
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PROSITE: PS00078; HLH_1; 1.
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EMBL, AJ404852; CAV21446.1; JOHNED.
EMBL, AJ404851; CAV21446.1; JOHNED.
EMBL, AJ404854; CAV21446.1; JOHNED.
EMBL, AJ251864; CAV21446.1; JOHNED.
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SMART; SMO0785; HILL: 1.
SMART; SMO0086; PAC; 1.
SMART; SMO0091; PAC; 2.
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PROSITE, FS50312; PAS: 2.
Multear protein, DAN binding.
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MIM: 126110; ...
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FEF, 2AEM, 26-SEP-01.
TRANSFAC; T01346; TRANSFAC; T01796; -
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Pfam; PF00989; PAS; 2.
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Copyright (c) 1993 - 2003 Compagen Ltd.
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August 5, 2003, 09:30:29; Search time 46 Seconds (without alignments) 4702.494 Million cell updates/sec Kuth off:

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Post processing Listing first 45 summarres

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#### SUMMARIES

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Ξ.	Am. J. Irop. Med. Hyg. 62:187 [89(23009).	Z: 187 (2400).		
<u>×</u>	EMBL; AF185822: AAG16766.1;			
ž	Infortio: IPRGG4.551; SP2.			
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   Yin S., Purcell K.H., Emerson S.U., And Conservation with strains and Change isolate of layaritis E virus. comparison with strains or conserved from different potentaphical regions."; Virus Genes 9:23-32(1994).

BMBL, L2595, AAA63490.1; LEMBL, L2595, AAA63490.1; LinterPro. IPRO4261: SP2.
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MEDIINF=40261377; PubMcd-1584074;
Uchida T., Suruki K., Hayashi N., Tida F., Hara T., Oo S.S.,
Wang C.-K., Shikara T., Tehikawa M., Fikihisa I., Mizumo E., Win K.M.:
"Hepatitis E virus: CDN aloning and expression.";
Microbiol. Immunol. 36:67-79(1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Complete northeath separation of a hepatitis Fixing isolated from the Xinjiang epidemic (1986-1988) of China.";
Northir Acids Res. 2012-12-2512(1992)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Hepatitis E virus (HEV): molecular cloning and sequencing of the full-length viral genome.";
Virology 185:120-131(1991).
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ISAFON S.A., Emorson S.U., Poyos G.P., Esarova T.S., Teytors L.J.,
Malik T.A., Iqqal M., Purcell R.H.;
Characterization of a protein Protein of Departitis Fivirus.";
Proc. Natl. Avad. Sci. H.S.A. R9,550-563(1902)
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Fry K.E., Tam A.W., Smith M.W., Kim J.P., Luk K.-C., Young L.M.,
Piatak M., Feidman E.A., Yun K.Y., Purdy M.A., Me⊂austiand K.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=92024067; PubMed-1926770;
Tam A.W., Smith M.M., Guerra M.E., Huang C.-C., Bradley D.W.,
Fry K.E., Reyes G.R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Aye T.T., Ochida T., Ma X.Z., Ilda F., Shikata T., Zhuang H.,
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al Similarity 100.0%; Pred. No. 2.6e-266;
284; Conservative C; Mismatches C. Indels
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                                                                                                                                                                                                                                                                                                           Viruses: SSRNA positive-strand viruses, no DNA stage;
Hepatitis E-like viruses.
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01-DEC-2001 (TERMRITE), 19, Last annotation update)
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EMBL, L08816; AAA03191 1; -
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MEDLING 99049628; PubMed-9843882;
TOTOTALY, PACHINGS M., PACK M.J., Itaher R.E., Indis B.L.;
"Hepatikis E virus, complete genome sequence and phytogenetic analysis of a Nepali isolate.";
                                                                                 ROS ELLEFENT FPGNTNTRVSKYSSTARHELFROADOTAELTTTAATREMKOLYFISINGVGET
245 VIPSERLIN SAGOWESVELEDVALETY, SCLVMD TROLLVIRG ERTEYTORGUDDEN.
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James L.S., Zafrollah M., Chawla Y.K., Dilawari J.B.;
Tenvaluation of a North India isolate of hepatitis E virus based on
the Tull-Tenuth genomic sequence obtained following long RT-PCR.";
Virus Pess, 86:55:58(2002).
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525 PESTI LUDYSETTI VEHEN ELLE MEACHTRACHEN IN ILLIAN SEG
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Submitted (DBC 2001) to the EMBL/GenBank/DBRJ databeses
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SEGUENCE. 659 AA: 70842 MW; ABCC177EBB5012C8 CRC64;
                                                                                                                                                                                                                                                                                          Viruses; SSRNA positive strand viruses, no DNA stage;
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Pred, No. 1.4e-257;
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Submitted (JHL 1995) to the PRM / Sedects/Jab ( dranges).
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"Sequence analysis of tull repath HEV closes derived directly from
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Pred. No. 6,5e 247;
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(In) Rizzetto M. Purcell R.H., Serin J.L., Verme H (eds.):
VIRAL HERALITIS AND ELVER DISRABE, Ep. 413 415.

Edizioni Minersa Medica, forino (1997).
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InterPro; IPR004261; SP2.
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"Phylogenetic analysis of hepatitis E virus isolates from Egypt.";
J. Med. Virol. 57:68-74(1999).
EMRL; AF081351, AAC35761.1;
InterPro; IPP004261; SP2.
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SPQUENCE – 660 AA; 71040 MW; 044FPFFA7C492791 CPC61;
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99,5%; Pred. No. 2.7e*234;
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EMBL: AFGSB881; AAC77808.1; -...

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J. Med. Virol. 57:56+74(1999).

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407 EPTVKLETSVENAQQDKGTALPROLIZGRAVIQDEDN, BEGDRPTPSPAPSRFF SVCF 466
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MEDLINE-92 cocod: Pabekod 1887 c.t.;
Aye T.T., Uchida L., Ma M.Z., Toba E. Shikata 1 - Monanq H.
                                                                                                                                                                                                                                                                                                                                                42.1%; Secret 212: 08-12: Genuth 248: 100.0%; Fred. No. 7.8e 197.
                                                                                  Fam A.W., Smitt M.M., Guerra M.E., Huana C. C., Beadley D.W.
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Viruses; sskNA positive strand tribses, no DNA stage;
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EMBL; 91033; BAA04179.1;
                                             SEQUENCE FROM N.A.
STPAIN BUINGEL+1 4:
MEDLINE 92024007; Pubmed 1926770;
                                                                                                                     full length viral genome.":
Virology 185:120-131(1991).
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InterPro: JPR094261; SP2.
Plam: PF03014; SP2: 1.
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Repailtis Evirus.
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Pram; PF04014; SP2; L.
          Hopatitis E like viruses.
NCBL_TaxID 12443;
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Uchida 1.;
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Best Local Similarity

Matches			Matches 197; Conservative			O, Mismatches	0	0, Indels	.,	0; Caps	0
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qq	3 46	- E	AELTITA	ATREMKDLY	FISI	346 DGTAELTTTAATREMKDLYFTSINGVGEIGRGIALTLENLADTLLGGLPTELISSAGGGL 395	LFNL/	ADTLLGGLPT	EFISS	AGGOL	395
οy	346		RPVVSAN	SEPTVKLY U	SVEN	FYSRPVVSANGEPTVKLYTSVENAQQOKGTATPHOTOLGESRVVTQDYDNQHEQDRPTPS 455	P1.5 E8	SPVV IQDYDN	QHEQU	RPTPS	455
qd	346		RPVVSAN	:EPTVKI.YT	SVEN	FYSPPVVSANGEPTVKLYTSVENAQQDKGTATPHDTDGRSRVVTQDYDNQHEQDRPTPS 455	51-3 51-3-8;	SPVV LODY DN	ZHEOT	PPTPS	455
30	456		SRPFSVL	RANDVLWLS	LTAA	PAPSRPFSVLRANDVLWLSLTAAEYDQSTYGSSTGPVYVSDSVTLVNVATGAQAVARSLD 515	ISAĀA	SVILVNVAT	GAQAV	ARSLD	515
Ob.	456		SPPFSVI	RANDVIMIS	T.TAA	PAPSRPFSVI.RANDVI.WI.SI.TAAFYNQSTYGSSTGPVYVSDSVII.VNVATGAQAVARSI.D 515	VYVSI	SVILVNVAT	GAOAV	ARSED	515
λ'n	516	X .	VTLDGRP	WTKVTLDGRPLSTIQQY 532	32						
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Search completed: August 5, 2003, 09:33:41 Job time : 48 secs

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respirith (c) 1993 2003 Compagen Ltd.
Gendore version 5.1.6
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M profein profein search, using sw model

Anotast 5, 2003, 99:17:13 ; Starch Line 85 Seconds (Without alignments) 12:2.465 Million cell updates/sec Fitt. -att.

US 09 851-410A-8 4408 Little: Perfect soure:

.....gSTVAELQPEKMKVGKTFEL 669 I MRPRPILLILLIMFLPMLPAP.... Sequences

REDSUM62 Security table:

Gapop 10.0 , Gapext 0.5

1107863 lotal number of hits satisfying chosen parameters:

1107864 seqs, 158726574 residues

Searchedy

Maximum tds seq temath: zvo0000000 Minimum GR seq length: 0

Post processing: Minimum Match 08

Listing first 45 summaries Maximum Match 100%

/strst/aradata/a/araseq/qeneseqp.emb//AA1999.DAT:\*/SIBS1/qeadata/qeneseqp.embl/AA1990.DAT:\* 7811.81.7qcadətə,7qcaəsoq,7qcaəsoqp ombi,7AA1993.1AA1.\* 7811.81.7qcqdatə,7qcasoqqqqqqqqqqqqqqqqqqqqq 79 H281 Zuendat a Zgenesengzgenesenge embl ZAA1 909 JAA1 ; \* ZSHB81 Zuendat a Zgenesengzgenesenge embl ZAA2000 JAA1 ; \* +mt-:/AA1991.DAT:\* /strst/qeddata/qeneseq/qeneseqp\_embl/AA1992.DAT:\* \* AAI GER LIAI : \* EAI:\* /stissizgendatazgenesent/demesenth empizAA1995.DAT:\* /311551 /acqdata/approsen/approsenses/page19AA1998.DA1;\* /STBS / Appliance of Approximately Combined (AAI) 984 DAT: \*
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## STIMMARIES

		Description	HEV ORF2 protein.	Burma strain HEV o	Hepatitis E virus	Hepatitis E virus	Protein encoded by	Human HEV ORF 2 pr	Hepatitis E virus	HEV-Burma strain v	Hepatitis E virus
SUMMARIES		115	AAR 18785	AAR 39 306	AAR95089	AAW 45.826	AAWB0197	AAW's \$ 18's	AAB24120	AAB6.252.	AA015699
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3.482	19.5	6,1,01		AAWRINGO	Repartitis Forms
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3.482	7.56	66.0	177	AAW's 4 414's	Human REV + FF 2 pt
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1474	0.65	6.6.0	5	AAW's street	Human BEV - FF 2 pr
3472	1. 1914.	6.6.1)	13.7	AAW*****1	ı. L
3472	4. 86	6.640	0.	AAW's 4 1/44	Human REV 28F 2 pr
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1461	3.86	4,4.(1	~	AAR: 4619	Protection of the Protect by
4460	98.6	(1.6.0)	Ť,	AB 104 Refe.	Hepartitis E virus
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3 451 4	98.4	6.60	· :	ARJ04821	μ,
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#### ALC: NUMBER 15

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AAR(8785 standard: Protein; 222
RESULT 1
                AAR 18785
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AAR 18785;

25-MAR-2003 (ipdated) Hi-JAN-1994 (first outry)

HEV ORFZ protein.

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Bateritally transmitted man A bear B hepatition to AAAB)

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6.4800.080.0M8.6 15-JAN-1993; 22 - JUL - 1994.

920S 0822445. 920S-0876941. 17 JAN 1992; 01-MAY-1992;

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61 PEAPDVTAAAGAGPRVRQPARPIGSAWRDGAGPPAVASPRPRTTAGAAPLTAVAPAHNTP 120
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                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                 Immunovenic hopatitis F virus (HEV) peptides are selected from the ORP1, ORP2 and ORP3 regions of HEV. The peptides can be used in various 1 prevent inferition by HEV. The antibolies can neutralise and block HEV intection and can be used to prevent or treat HEV intection. The peptides and antibodies can also be used as
                                                                                                                                         New immunogenic hepatitis E virus (HFV) peptide(s) - are from the ORF1, ORF2 and ORF3 regions of HEV, useful as a vaccine against
                                                                                                                                                                                                                                                                                                                                                                                                                             0
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100.0%; Pred No 8 6e-263;
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                                                              Bradley DW, Carl M, Reyes GR, Tam AW
                  (GENE-) GENELABS TECHNOLOGIES INC
                                                                                                                                                                                                      Disclosure, Fig 8, 48pp, English.
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Matches 660; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Antigen and antibody vaccines against Repatitis E virus infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The sequence is that of the putative virus capsid protein encoded
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This protein or peptide fragments of it may be used in a vaccine composition for immunishing an individual against HEV. Antibodies raised against those peptides can also be used in such vaccines (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                      Hepatitis E virus, vaccine; neutralising antibodies; infection;
block, open reading trame, antibódies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            derived from capsid protein Coterminal or
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100.0%; Pred. No. 8.6e-263;
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                                                                                                                                                                                                                                                                                     Burma strain HEV ORF2 puative virus capsid protein.
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                                                                 AAR39306 standard; Protein; 660 AA
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    contain peptide(s) derive
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                                                                                                                                                                                            25 MAR- 2003
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                                                                          the capsid protein (see also AAR9609), AAR96093 and AAR96095) and expensive in Special trougherda S19 insert colls using a baculovirus vector provides recombinant C-rominal regions (see also AAR96101 and AAR96103) asert a set al a diagnostic reagents and in vaccines. The HEV Mexico strain capsid protein (AAR96090) may similarly be used.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The parality capsid protein (AAR96083) of hepatitis E virus (HEV) Burma strain is encoded by ORF 2 (AA127107) of the virus. PCR amplitication of SPF 2 allows produ. of capsid protein or of C-terminal regions of
                                                                                                                                         DFALELEFRIG PGNTNTRVSRYSSTARHRERRGAÐOTAELTTTAATREMKDLYFTSTRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HEV: enterically transmitted non-Aznon-B hepatitis virus; vaccine: diagnosts antinen; Spodoptera trugiperda: StG: insect; beculestrus; capsid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Heparitis E visus (HEV) anti-gas degived from HFF 2 — useful as
diagnostic reagents for determining HEV infection and in vaccines
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121 PVPDVDSRGAILRRQYNLSTSPLIFSSVATGTNLVLYAAPLSPLL,PLODGTNYHIMATEAS 180
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           361 VGEIGRGIALTLENLADTLEGGLPTELISSAGGLEYSRPVVSANGEPTVKLYTSVENAQ 420
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                                                                                                                                                                                                                                               A method has been developed for detecting hepatitis E vitus (BEV) antibodies (Ab) The method comprises: (a) reacting a serum sample with a HEV peptide antiqen, and (b) examining the peptide for the presence of bound Ab, where the presence of bound Ab indicates the presence of HEV Ab. The presence represents the protein from the open reading frame, OBF2, from HEV Burma strain. The method can be used to diamnose infection with the enteriorality transmitted non-Afour-E vital hepatitis agent HEV, specifically the HEV Burma and Mexico strains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 PEAFIVTAAAGAOPPVPQPAFFIGSAWRICADFFAVASEBFFTTAGAAFITAVAPAHTT
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                                                                                                                                                                                                                                                                                                                                                                                              100 0%, short 40%, (R.1%, Longth 650)
100 0%; Pred. No. 8.66-263;
Tive 0; Mismatches 0; Indels 0;
                                                                                                                                                                                                    by immunoassay with hepatitis E virus peptide antigens
                                                                                                                                                                                                                          Disclosure, Column 39-42; 36pp; English.
                                                                                                       (GENE-) GENELABS TECHNOLOGIES INC
                                                                                                                               Tam AW, Yarbough PO;
        89US-0367486.
89US-0420921
                                  90US-0505888
                                                       92US-0822335.
                                                                                  92HS-0876941
                                            91HS-0681078
                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity 100 (
Les 660: Conservative
                                                                                                                                                      WPI; 1997-558132/51,
                                                                                                                                                                                                                                                                                                                                                                        660 AA;
                                                                                                                                                                  N-PSDB; AAT96959.
                                            J5-APR-1991-
17-JAN-1992;
                       1989:
                                   1990;
                                                                               01-MAY-1992:
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541 IPGKI SEWEACTTKAGYPYNYNI TASIOT I VENAACHEVALCEYT TGI JAJEVSI GAVAV 630

    MRESTILLLANDELTRANDE SEVANSESINS SOCIONIS FEVEZ, FRATIVIPER 6.
    FILLI F
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Protein encoded by ORF2 of EL MANB (BEV) Burma struim BWA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hepatitis E virus proteins—useful for diagnosis or vaccine production the virus
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100.0%; Fred. No. 8.60-263;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example of the hill state.
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8908-0357486.
8908-0420921.
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24-DEC-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-JUN-1995:
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441 DOSTYTSSTTPVYVST-SVTLVNVATITAQAVAFSIJANTRVTIJOGRFI,STIJOGYSKIJFFVIJF 540
6.1. FFAPOVTAAAGAGPRVRQPARPLGSAMROQAQRPAVASRRRPTTAGAAPLTAVAPAHDTP 120
                                                                                                                                                                                                  401 DFALELEFRNLTPONTNTRVSRYSSTARHKLRRGADGTAFLITTAATRFMKDLYFISTNG 360
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                                                                             6.1 PEAPOVIAAAGAGPRVRQPARFIJSSAWRIQAGPPAVASPRPPITAGAAPLTAVAPAHFIP 12.0
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                                                                                                                                                                                                                                                                                                                                                                       121 PVI IAVIJEGA I JERGTER STOLFFORMATORIS VEVANOT STILLEQIGINE HIMALIEN.
                                                                                                                                                                                                                                                                                                                            81 NYADYRVARATIRYRPLVPNAVGGYAISISFWEGITITPTSVEMNSITSTLVRILVQPGL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                241 ASELVIPSEPLHYRNQCWRSVETSCVAFFFATSCLVMLCTHGSLVNSYTNTPYTGALGLL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes a method for identifying a recombinant
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                                                                                                                                                                                                          Hepatitis E viris, HEV, now Agroups virial Repatitis, viral protein, financological, diagnosis, hepatitis, infection, identification, defection commongraphies hepatitis, astiliflammatery, virially, vaccine, antiviral, antiqueic, antibody, antique.
                                                                                                                                          Hepatitis E virus Burma strain OBF2 protein sequence SFQ ID NG 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 340%; DB 21; Length 660; 105.0%; Pred. No. 8.6e-263; ive 0; Mismatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FIT FE, Bridly FW, Tall A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     haim 6; Column 63-68; 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GENE-) GENELARS TECHNOLOGIES INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9105-0681078
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89US-0346672.
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                                                                   29 JAN-2001 (tirst eatry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TNEWNMENT SI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MPI: 2000-543712/56
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                                                                                                                                                                                                                                                                                                                                                                                              Hepatitis E virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                660 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             present invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       specifically
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       54. LRGKLSFWEACTTRACTPPNPNTTASHQLLVENAACHEVALSTTTTSLCACPVSTSAVAV 600
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.21 PVEDVISEGATI.RROYNESTSPELSSVATGTNI, VIZAAPESPILLPEQDMITNI HIMATEAS 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18] NYAQYEVARATIRYEPLVPNAVGGYAISISFWEQTTTTFTSVDMNSIISTDVRILVOEGI 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 241 ASELVIPSERLHYRNGGWRSVETSGVAEEEATSGLVMLCIHGSLVNSYTNTPYTGALGLL 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            301 DFALELEFENLTPGNINTRVSRYSSIAKHRLKRGARGTAGTTTTAATFFMKDLYFTSTNC 350
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               54.1 LRGKLSFWEAGTTRAGYPYNYNTTAGBQLLVENAAGHRVATSTYTTSLGAGFVSTSAVAV 600
                                                                                                                                                                                                                                                                                                                                                                                                   reterred as HEV). The DNA sequences or their transments are useful in properties or an exercise of the Foreign and as probes for virus detection. These care particularly useful in diagnosing intection by an enterically framewhited agent (e.g. ET NANH virus), as well as in vaccine production, the present sequence represents a OMF2 protein encoded by a ET-NANH viral.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1. MRRRETLILLILMETPMLIADPPPAQPSCHRRADERSGGSGCTFWCHPVISQPPATPYTHPTM_60
                                                                                                                                           New DNA sequences of enterivally transmitted non-A/non-B (ET-NANB) hepacitis viral agent, useful in diagnosing infection by an enterically transmitted agent (e.g. ET-NANB virus), as well as in vaccine
Yarbough Po, Boadley DW, Krawczycski KZ, Tam AW, Pry KE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MREPETLILLIMELPMIJAPPPGQESGREKGRESGGSGGGPWGDRVDSQPFAIPYIHPTN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  81 NYAQYRVARALIRYRPLVPNAVGGYALSISFWPQTTTTPTSVDMNSITSTFVRILVQPG1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (4) ASELVIPSERLHYRNQGWRSVETSGVAEFEATSGLVMLCTHGSTVNSYTNTPYTGALGLL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     the insention relates to an isolated DNA comprising the genome of an enterically transmitted nonAZmon4 (FI-NAMB) viral hepatitis agent (a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Syste 4408; DB 22; Length 660; 100.0%; Pred. No. 8.6e 263;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                       disclosure; Columns 63-68; 45pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IANA Sequence from MEV-Burma Strain.
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                                                 2003 342705/36.
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                                                                                   PSDB: AAF83495
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enterically transmitted nouA/nood depatitis vital (HEV) agents in a sample and isolating HEV agents or nucleic acid transments produced by the agent. The method willises PCR—using bite from a human or cynomic base monkey actively intected with HEV as a source of the agent. The method the bursentian of the breakers of a vital agent in a sample of cultured cells intected with the agent and isolating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             enterically transmitted nonA/mond HEW agents of noticle acid transmits produced by the abent. The present amino acid separate represents the protein encoded by open reading traine 2 (90-\Omega_{\rm c}) of a DNA sequence isolated from a Rurmess strain on the Meptitus Cycles.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 PPAPUVPAAAGASTRVRGFABIT-STAWENGAGETAVAGREET GTAGAAGETAVAPABIT DE FELLET FELL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         viral (HEV) agents in bile samples from interiod humans and men keys

        Regions
        Secrete 64060
        BR 23
        Length 6600

        100.06;
        Predi
        No. 8706-203
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        0;
        Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HEV; enterically fransmitted newA/mon8 begailtrs viral agent:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hopatitis E virus (Burma strain) oFFZ predein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Column 19-24; (App; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BELALDH & HUMAN CORVICTES.
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15 APR - 1991;
17 JUN - 1988;
11 - APR - 1989;
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NYAQYRVARATTRYRPIVENAVGGYATSISEWRQFFTTFPTSVDMNSITSTDVRILVQPGI 240
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                                                                                                                                                                                                                                        421 ÇEKGIAIPHELELGESPVVIQEYENQHEGEBPIFSSPAPSPEPSVLFAMEVLMLSLIAAAFY 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This sequence represents a Hepatitis E viral hollow particle protein. This polypoptide in the bound of the control of the control of the protein assays has discontinuous, and the nucleix acid can be used for the same in nucleic acid hybridisation assays. The polypoptides and nucleic acids allow more accurate detection of HEV than
                                                                                                                                                                                                                                                       241 ASELVIPSEPLHYRNQGWPSVFTSGVAFFEATSGLVMLCTHGSLVNSYTNTPYTGALGLL
                                                                                                                    DPALPLEFPNI TPGNTNTPVSPYSSTAPHPLPPGAPGTAELTITAATEFMKULYFTSTNG
                                                                                                                                                                                                                                                                                                                                                             941 TEGKISEMEAGIIKAGYEYNYNITASI-LIIVENAAGHEVAISIYIISIGAGEVSISAVAV
                                                                                                                                                                                                                                                                                                                                                                                         541 LRGKLSFWEAGTTKAGYPYNYNTTASFQLLVENAAGHRVAISTYTTSLAAGFVELSAVAV
                                                                     241 ASELVIPSERLYPRNQGWESVPTSGVAPPEATSGLVMLGTHGSLVIPSTTYPPYGALGL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hepatitis E virus hollow particle poly, peptide(s) and nucleic acids encoding it. - useful for more accurate detection of HEV in samples, us(n) indem cassays at fine icid a (1/4) \log (1/4) \log (1/4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hellow partigle protein; sinds antibody; detection; immunoassay;
                                                                                                                                    Hepatitis E virus hollow particle protein #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (KOKU-) KOKURITSU YOBO EISEI KENKYUSHO.
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                                                                                                                                                                                                                                                                                                                                                                                                        61 PPAPPVTAAAGAGPRVPQIAAPPGSAAWPPAQPPAAASPPPOFFRAAAPPTAAAAPPTAAA
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                                                                           49.8%; Severe 3401; DR 19; Lenath 660; 99.8%; Pred. No. 3.1e-262; ive. 0; Mismatches 1; Indels 0:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4.21 OFKGTATPHELLIGGESBVV1QPYINGHEGDRPTPSPAPSPPESVLRANDVLWLSLTAAEY 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21 PVPPVPSPRALI PROVIDET OF THE TOTAL SEVAL OF YAAR SPLED GETTER HINDERAS 190
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         991 VERTGROTALITENLADITAANIHATELISSAGGOLFYSREVVSANGERIVKLYTSVENAU 420
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MRPRPILLLLLMFLPMLPAPPPGQPSGRRRGRRSGGSGGGGWGDRVDSQPFAIPPIN 50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            viral agent (also referred to as HEV), detecting El-NANB in
interest samples, e.g. by specific amplification of viras-derived PNA
sequences and for producing recombinant viral proteins for use in
                                                                                                                                                                                                                                                                                                                                                                                                               AAW/1209 II represent the proteins encoded by the open reading trames
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                acid sequence may be used for identifying and sequencing the entire
                                                                                                                                                                                                                                                                                                                                  useful for e.g. virus detection and viral
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        99.8%; Score 3401; DB 19; Length 660;
99.8%; Pred. No. 3.1e-262;
1ye 0; Mismatches 1; Indels 0;
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                                                                                                                                                                                                                                                    Bradley DW. Fry KE. Krawnzynski KZ.
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61. PFAPIVEDAAGAGPRVK, PAPELISSAWELJAVAVASRE (CTTAGAAPLIAVAPAHI) 120
541 BROKELIH WEAGET KAGYETIN NEEALA, HEVENAA HRVA GEETGBAAGETY GEAVAY (***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61 - PEAPPYTAAAGAGPRVRCTAPFF GSAWPINADRI AVASER+FFT LAGAFF LAAAFAHIGT - TZ O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1. MRPRETIGELEMPLEMETPHE APPENDIC STRUKSSERS AND WAS PROSCOPATER THE NOT TO THE THE STRUKSSERS AND THE THE STRUKSSERS AND THE THE STRUKSSERS AND T
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AAR70427-24, respectively). FNA transments were manipulated into pitx sections for the order. Applications can include HEV interface discressly, include they interface discressly, interpay and varying degree (Updated via 25 MAY 2003).
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Fred, No. 4 for 26.:
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Matembes 658: Causarative
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121 PYTHYGGRGATTRKGYMLCTGYLLSGVAYGYMLWYYYAAPIGA LLPLQBGINHHIMALEAS TRO

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[8] NYAQYPVARATIPYBDIVPNAVGGYATSISFWPGTTTTPTSVPMNSITSTIVP]]VQJFT
                                                                            81 NYAQYRVARATIPYPPLVENAVGYAISISFWPQTITIPISVDMNSITSTDVRILVQEGI
                                                                                                                                                                                                                                       361 VGEIGRGTALTIFNLADTILISGLPTFLISSAGGGLFYSRPVVSANGEPTVKLYTSVENAQ
                                                                                                                                            241 ASELVIPSERLHYRNQGWRSVETSGVAEREATSGLVMLGIHGSPVNSYTNTPYTGALGLL
                                                                                                                                                                          801 DPALELEFRALTPGNTNTFVSFYSSTABHBLFPGAGGTAFLITTAATFFMKELYFTSTNG
                                                                                                                                                                                                          301 DEALELEERNITPGNTNTPVSPYSSTAPHPLRPGADGTAFLTTTAATREMKDLYFTSTNG
                                                                                                             24.1. ASELVIPSERLHYRNQGWRSVETSGVAFFFATSGLVML/CHGSL/VNSYINTPYTGAL/SLL
                                                                                                                                                                                             Isolated and purified hepatitis E virus strain SAR 55 DNA · encodes antiquence protein useful in diagnosis, prophylaxis and treatment of hepatitis E virus intection
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36. VOBICRGIALTENIANTIAGRIPHELISSANGGIFYSHIVVERNORTHYRIX (SYRAWA 42)-
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9C. VOBICRCYALTENIANTIACHANTIAR SZANGGIFFSHIVVERNORTHITTILL
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can be used in vareions for immunishing against HEV infection. The swine between the cased in humans to prevent possible invection by human HEV. The swine HEV can also be used as a threadential testing to intection by other strains of HEV. The swine HEV can also be used for the production of antibodies which can be used in herapy detection and diagnosis. The products can also be used for determining the susceptibility of cells or organs to intection with swine HEV. The swine HEV is particularly useful of thoman HEV because it is not a human virus and thus can be bandled both compared by the susceptibility of cells or the functional content of the prevention. 400 2] PVPDVDSKGALLKKQYNLSTSPLISSVATGTNIVLYAAPLSPLLFLQDGTNTHIMATEAS 180 6. PEAPOVIAAAGAGPRVKOPARPLGSAMPLAQRPAVASRRPTTAGAAPLJAVAPAHITIP 120 6.1 PFAHDVTAAAGAGPRVRUPAPFILGSAWRIOAQRPAAASRRRPTTAGAAPLTAVAPAHDTP 120 12.1 PVPBVDSRGATLRRQYNLSTSPLJSSVATGTNLVLYAAPLSPLJDLQDVTTNTHIMATFAS 190 81 NYAQYEVARATIRYRELVENAVERYATSISEWPOTITTETSVDMNSITSTDVRILVQPGI 240 I MRERPILLILLMPLPMLPAPPNAPSCHENSKESCOSGCOFWODRVINGOPFALPYTHPIN 60 This invention describes a swine hepatitis E views (HFV) and its natural motions which are capable of cross reacting with antibodies reactive with a homono HEV strain or natural mutants. The HEV and the proteins Swine hepatitis E virus; HEV; cross reaction; antibody; human: therapy; 1 MKFPP11alalameldmidadppeqqessrkrigiksogsoggwodkvdsopfa1py1HpTn 24.1. ASELV IPSFRI HYRNQGWRSVPTSCVAREFATSGLVMLCTHGSLVNSYTNTPYTGALGLL New isolated swine hepatitis E virus—used to develop products for the diagnosis—presention and treatment of hepatitis E virus immegise: interfica; defection, diameasa, preventia. . Similarity 99.4%; Frod. No. 2e 261; Indole 1; Mismatches Busan HEV ofer 2 protein from strain Sar55. intection in mammals, particularly humans (USSH ) US DEPT HEALTH & HUMAN SERVICES. Example 1: Fig 4A; 70pp; English. Merry X, Furesil RH, 98WO-BS14665. 9708-0053069. Conservative WET: 1999 132270/11. Reportitis Buirus. FEET AA. contamination. MOSTORNEY AZ 17 231, 1998; IB JUL 1997: Emerson SU, 88 JAN-1399 Materlass 656; Sent destroys 1..... derick Materia 1000 5 £ <u>-</u> 3 Ē 2.0

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99.5%; Fred, New 2ct.,
13cc. i; Mismatches 3; Indels o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hepalitis E virus, ORF 2; HFV; v.rovide, inministron
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                                                                                                                                                                                                                                                                                   ABB81670 standard: proteur: '60
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241 ASELVIPSFRIHYRNQOWRSVETSOVAPERATSCLVMLCTHGSPVNSYTNTPYTGALGLL OF THE FERMITH WIND WARPSSTARBEITREGADGTAFILTTAATREMKULYFTSTING

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Listing first 45 summaries

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### SUMMARIES

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THILL FINANT: When the standard methods of the standard methods of the standard standard methods.
AMBRODE OF SEQUENCE: 21
OVERPROPRIED FARGESS:
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| INDIVIDUAL ESTATE: ORF: 3
| 08-240-043B-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Fatonth Roleise #1.5, Version #1.z
CURRENT APPLICATION DATA:
APPLICATION DATE: 752/3245, 498
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COMEUTER: IMM PC compatible
OPERATING SYSTEM: PC POSZMS FOS
                                     : Sequence 15, Application US/08240649B
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                                                                                                           APPLICANT: Reyes, Gregory E. APPLICANT: Lam, Albert W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPAX: (415) 424 08400
TELEPAX: (415) 424 0960
INFORMATION FOR SECITO NO. 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Charles K. Sheltz-
REGISTRALLON NUMBER: 88.
REFERENCE/ZOGYKEE NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LEMGTH: 660 amino acids
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Best Local Similarity 100,0
Matches 660; Conservative.
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MOLECOLE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READARLE FORM:
MEDIUM TYPE: Floppy
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                                                                                        GENERAL INFORMATION:
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Hepatitis E Virus Vaccine and Method
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350 Cambridge Avenue, Suite 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Purdy, Michael A.
APPLICANT: Tam, Albert W.
APPLICANT: Krawczynski, krzysztof Z.
APPLICANT: Yarbough, Patrice D.
IITLE OF INVENTION: Hepatitis E Virus
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APPLICANT: Bradley, Daniel W.
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FILING DATE: 13-JUN
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CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
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US-08-259:148A:19
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APPLICANT:
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100.0%; Pred. Nc. 2.4e-294;
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US-08-259-148A-19
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APPLICATION NUMBER: US 429,921
FILLING DATE: 1 <- ort - 1969
PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:
CLASSIFICATION: 424
PRIOR APPLICATION DAIA:
APPLICATION NUMBER: US 922, 335
TITING DAFE: 17 JAH-199;
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ГЕГЕРАХ: (415) 224-09<u>6</u>0
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PRIOR APPLICATION DATA:
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ATTORNEY/AGENT INFORMATION:
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                  54.1. LPGKESEWEAU I KAGYYYNYN FASBOLLVENAAGHRVA I STYTTSLGAGPVSTSAVAV - 600
                                                                                                                                541 LROKLSEWEAGTIKAGYEPNYNITASPQULIVENAAGHEVATSIYIISLSAGFVSISAVAV 500
                                                                                                                                                                             501 LAPHSALALLEDILDYPARAHTFIÐFCPECRPLGLQCCAFGSTVAELQRLKMKVGKTREL 660
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFUMARE: Patentin Release #1.0, Version #1.25
THERNI APPLICATION LATE: US/08/484.054
FILLN: DATE: 07-JUN 1935
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50 Cambridge Avenue, Suite 250
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CAMPOTER: 18M PC Compatible
OPELATION SYSTEM: FOR (<0.7M, 1805)
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FILING GATE: Z0:APRIL:1992
PRIOP APPLICATION DATA:
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FILING DATE: 05 AFRIL: 1995
PELOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                  Sequence 19, Application USZ08484054
Patent No. 5770689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 420,921
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PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                       APPLITANT: Bradley, Daniel W. APPLITANT: Twu, Jr Shin APPLITANT: Purdy, Michael A.
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INFOMATION FOR SEQ ID NOT 19:
SEQUENCE CHARATTERISTICS:
LENGTH: COLORIDO ACIOS
                                                                                                                                                                                                                                                                                                                                                                                                       Reyes, Gregory R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16 - JUNE - 1989
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PPIOP ALLIGINGS DATA.
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TITLE OF INVENTION: Antibodies
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US-08-478-507-8
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100.0%, Pred. Mo. 2.4e-294,
Live 0; Mismatches 0; Indels 0
                                                                                                                 SOFTWARE: Patentin Polease #1 0 Version #1 25 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 4600-0093.33 TELECOMMUNICATION:
                                                                                                                                                   APPLICATION NUMBER: US/07/876,941A FILING DATE: 01-MAY-1992
                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                     HMRFF IIS 822, 335
17-JAN-1992
                                                                                                                                                                                                                                                                        US 505,888
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                                                                                                                                                                                                                                                                                                                        HS 420, 921
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 20H:
FILLING APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                   FILING DATE: 05-APRIL-1990
PRIOR APPLICATION DATA:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 336
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TELEFAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 19:
                                                                 Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Charles K
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Matches 660; Conservative
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                                               DOMPUTER READABLE FORM:
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                                                                 MEDIUM TYPE:
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STATE: CA
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361 VGSTGRGTALTLENLADTLLGGLITTELLSBAGGOLFYSRIVVSANGEFTVKLYTEVENAG 420
                                                                              421 QORGIALPHUTULGESPVVIQUYDNQHEQDRPTPSPAPSRPFSVLRANDVLMLSLIAAEY 480
                                                                                                                                                       541 LEGELSPWEAGIIKAGYPYNYNIIASSQULVENAAGHEVYIISTAAGEVSTIAVAV EGE
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1975 OF HANNINGS: DNA Sequences of Enterically transmitted
1977: PROFESTION No. 6129998 A.M. (12098) R.B. (12098) N.B. (12098) N.B. (12098) AMBER OF SEQUENCES: 20
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CORRENT APPLICATION DATA:
APPLICATION MOMBUR. 05/08/478,507
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Palo Alto
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APPLICANT: Bradley, Daniel W
APPLICANT: Krawczynski, Erzystof 2
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PRIOR APPLICATION DATA:
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COMPUTER: IBM PC compatible
GFFSAIIM: SVSIIM: PC (205,MS-FOS
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Patent No. 6120988
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 25-JUL-1994
PRIOR APPLICATION DATA:
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PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                   loo.
100.0%; Pred. ac.
                           NAME: SELITA, CHALOS K.
PEJISIPATION NUMBER: 48,615
PEJISIPATION NUMBER: 46,615
IELEVOMMULISATION INTORMATION.
PELEUR NE: (650) $24,080
IELEVAX: (650) $24-6950
INFORMATION FOR SEQ. ID. NO: 8:
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Fatert No. 6214936
FILLING DATE: 17 JUN 1988
ATTOPNEY/ACERE INFORMATION.
                                                                                                                                                                      660 amino acids
                                                                                                                                                      SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                   Medistruck type: protein
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Enerst, Thomas R. McAtoes C. Patrick Yarbough, Patrice

GENERAL INPORMATION:

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121. PVPPPVPPEGATUREGYNUSTSFELESYATETNIYEYAAF - FLIJFLIJGGTNIHHMALEAS TRO
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                                              TITLE OF THY REPAIL HEATTILE EVINGS ANTWENT AND USES THEREFOR NUMBER OF SEQUENTES: ()
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100,00; Pred. No. 2.4e 204;
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CURRENT APPLICATION DAIA:
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350 Cambridge Ave. Suite Zo.
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TELEFAX: (415) 424 0960
INFORMATION FOR SEQ 15 No. 1 c.
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Janet, Yitan
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APPLICANT:
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481 DQSTYGSSTGPVYVSDSVTLVNVATGAQAVARSLDWTKVTLDGRPLSTTQQYSKTFFVLP 540
                                                                                                         941 LEGEKESFWEAGTIKAGYPYNYNTIASEQELVENAAGHEVAISTYTISLGAGPVSISAVAV 500
                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA Sequences of Enterically Transmitted
No 6229005-A/No 6229005 P Hopatitis Viral Agent
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PEFEPENCE/INCKET NUMBEP: 4600-0183 24
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03-ANG-1998
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Bradley, Daniel W
Krawczynski, Krzysztof 2
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (550) 424-0980
(650) 324-0960
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PRICK APPLICATION DATA:
APPLICATION NUMBER: US 07
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PRIOR APPLICATION DATA:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
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PRIOR APPLICATION DATA:
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6.1. PEAPPVTAAAGACPPVPQPAPPLOSAWPPQAQPPAVASPPPPTTAGAAG TAVAPAGGT9-120
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                                                                                                                                                                     191 MYAGYEVABATIEVREN VENAVONYALSISOWE ZÜTETOTSVERNSILSIDVRILKERSI
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                                                                                       100.0%; Score 3408; DB 3;
100.0%; Pred. No. 2.46+294;
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ADDRESSEE: Cathleen M. Desjardins, M.D. STREET: 505 Penobscot Drive
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Patent No. 6291641
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APPLICANT: Fuerst, Thomas
LENGTH: 660 amino acids
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TiflE OF INVENTION: Hepd
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                                          MOLECULE TYPE: protein
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TMV: Redwood City
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INDIVIDUAL ISOLAIE: ORF 2
                                 COMPUTER: TRM PG Compatible oPEPATING SYSTEM: PG DOS/MS-DOS SOTTWARE: Patentin Release #1.0, Vorsion #1.25
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100.0%; Fred. No. 2.4e:294;
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INFORMATION FOR SEC IT NO. 13:
               Floppy disk
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LENGTH: 660 amino acids
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                                                                                                                                                                                                                                     NAME: Brookes, Allan A
RESISTRALON NUMBER: 35
                                                                                   TUPPENT APPLICATION DATA:
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MetECOLE LYPE: protein
HYPOTHELFAL: No.
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APPLICANT: Fry, Kirk E
TITLE OF INVENTENT BWA Sequences of Enterierly Hansmitted
TITLE OF INVENTENT, No. 1075803 A/No. 00/2004 B Hypatitis Vital And
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                                                                                              APPLICANT: Reyes, Gregory B
APPLICANT: Varbough, Parties of
APPLICANT: Bradies, barrel W
APPLICANT: Examenyork: Elzysotel Z
APPLICANT: Lam, Albert
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FILLON DATE: 11 APR 1969
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FRIOR APPLICATION DATA:
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FILING DATE: 65 APR-1991
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                                     Sequence 8, Application US/09654427
Patent No. 6479891
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MEDIUM TYPE: Floppy disk
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RESULT 9
US-09-554-427-8
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61 PFAPDVTAAAGAGPPVPQPAFFLGSAWFDGAGFFAVASFFRFTTAGAAFLTAVAFAHGFF 120
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                                                                       1 MPPPPIIIILLMFI.PMI PAPPPGQPSGPPPSGGSGGGFWGFPVGSQPFAIFYIHFTU 60
                                                                                         241 ASELVIESEPTHYPNÇGKESVELSGVAEERATSGLVMF71H3SLVNSYINIFYLGALOLL
                                     U; Gaps
     Length 550;
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CURRENT APPLICATION DATA:
APPLICATION MORBER: 107/0105/1900
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P.O. Box 60853
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RESULT 14 US-09 462-606 12 Sequence 12 Application US/O9462606 Fateria No. 6432408 GENERAL INPORMATION: APPLICANT: BENESON. Sugarane U. APPLICANT: BENESON. Sugarane U. THILLE OF INVENTION: A SWINE HEPALLIIS E VI. FILLE REPERENCE: 20204267081 THER OF INVENTION: A SWINE HEPALLIIS E VI. FILLE OF INVENTION: A SWINE HEPALLIIS E VI. FILLE OF INVENTION: A SWINE HEPALLIIS E VI. FILLE OF ILLING CATE: 2000-06-12-4442,606 FILLE AFFILTATION HOMBER: US ED;053069 FILLE AFFILTATION HOMBER: US ED;053069 FILLE FERRES OF SOUTH HOMBER: US ED;053069 FILLE FILLE OF FILLING DATE: 1998-07-17 NUMBER OF SEQ ID NOS: 65 SOFTWARE: PATENT SOUTH	SGULT 13 -09-172-699-2 SEQUENCE 2 Application US PACCEL NO. 6514690 BENERAL INFORMATION: APPLICANT: Anderson, Davi APPLICANT: Anderson, Davi APPLICANT: Locarnini, Ste APPLICANT: Locarnini, Ste APPLICANT: Hui Zhuang FILE REFERENCE: Davies Co CURRENT APPLICATION NUMBER CURRENT PRILING DATE: 1998 EARLIFE APPLICATION NUMBER CURRENT FILING DATE: 1998 EARLIFE APPLICATION NUMBER OWENER OF SEQ ID NOS: 24 ENGITH: 660 TYPE: PRI OSGANLEN: Homo sapiens OSGANLEN: Homo sapiens	
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APPLICANI: Sarrey, Sergei. A., and Robinson, Robin A. IIILE of INVENTION. Recombinant Frob.ins. (4. INVENTION: A Pakistani Strain of Heparitis E And Their Use in biagnostic Methods And Vaccines APPLICANT: Emerson, Suzanne U., Percell, Robert H. FEDUREDATION TOWNS TOWARDS 12526 4255 TELEPROMMON FOR LOW INFORMALION: US/08/840, (16 COMPUTER: 18M PG COMPATIBLE OPERATING SYSTEM: PC:DOS/MS DOS Sequence 2. Application 68/98840316 Patent No. 6954567 MORGAN & FINNEGAN 16,479 WORDPERFECT 5.1 11 - APR - 1997 FLOPPY DISK ALPORNEY/AGENT INFORMATION: 14% PAPE AVENUE Ξ TURRENT APPLICATION DATA: APPLICATION NUMBER: 05 Fichard W. Bork PRIOR APPLICATION DATA: NUMBER OF SEQUENCES: 1 OFFESSYONDENCE ADDRESS. MEDITER READABLE FORM PEGISTRALION NUMBER: APPLICATION NUMBER: TITLE OF INVENTION. SENERAL INFORMATION: MEM THER CLASSIFICATION: :NC1 IV.01/13/88/1. NEW Y IPK HSA MED-TOM LYPE: FILLING DATE: FILL W. DATE ADDRESSEE: S. P. LWAKE: US 08 846 416 2 \* JUNERY: APPLICANT

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## SUMMARIES

	Description	Sequence 13, Appl	Sequence 8, April	Sequence 14, Appl	Sequence 92, Appl	Sequence 167, App	Sequence 15, Appl	Sequence 25, Appl	Sequence 27, App.1	Sequence 16, Appl	Sequence 26, Appl	Sequence 28, Appl	Sequence 17, Appl	Sequence 206, App	Sequence 207, App.	Sequence 199, App
	91	US-09-769-066 13	US-(19-85)-410-8	US-09-769-066-14	US-09 468-147-92	US-09-468 147-167	US 09 769 066 15	US-09:769:066:29	21. 29 764 964 27	US 09-769-066-16	115-99 759-955 25	0.00 0.9 76.9 0.66 238	115 09 76.9 - 666 - 17	US-09-468-147 206	US 09 458 147 207	US 09 468 147-139
	wery Watch Length DB	660 10	660 11	560 10	5.60 11	6.60 11	549 10	540 10	12.5	549 10	540 10	5.55 1.5	427 100	459 11	45.4	1.18 1.1
*	Ouery Match	100.0	1000	3.44	1.71	5.76	0 . 7 3 3	2.18	7.9.0	78.8	7.1	÷ . ′ , ′	4.5.2	41.4	47.4	47.0
	Score	RUP	#1 	1771	1.5.00	1.,.,	5 T N 7	6.977	74.37	25,83	1.4.4	6, 4, 7	16.77	5191	16.1%	
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Sequence zw. Appl. Sequence 185, Appl.	Sequence 1.5. App.	ž		7.3	.c	7	÷		-	X X .		17.	1	104	7	2.5			, ,	<u>:</u>	1.4.1		=======================================	-7	_		120
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## ALLES MARINES

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STREET: 350 Cambildae Ave., Suite abo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 1957/97/09.000
FILING DATE: 24 Jan.2001
CLASS.FICATION: - Unknown -
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HIGEOT ZAVANI W. SEPARITI SAVE
HIGHSA J. ALAZARAH M. S. ALAZARAH M. S. ALAZARAH MARKISIS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Flogpy disk
COMPULER: IBM PY compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RECUSSIBALION NUMBER; 44.82°
                                                                                                                                                                     Yarbough, Patrice o.
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TELEPAX: (415) 424 ORBO
HELFAX: (415) 424 ORBO
INFORMATION FOR SEX TE NO. 13
                                               ; Patent No. US20620107 60A1
                                                                                                                     APPLICANT: Facest, Thomas E.
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ATTERNATION - TRE-ENALION |
NAME: Fabian, Garg E.
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                                                                                                                                                 CLAUKAL INFORMATION:
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                           02-09-769-066-13
RESULT 1
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100 0%; pped No. 3 26-276;
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                                                STRANDEDNESS: Hepatitis E Virus (Burma strain)
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                                                                                                                                                       SEQUENCE DESCRIPTION: SEQ ID NO: 13:
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Yarbough, Patrice O
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           LENGTH: 660 amino acids
TYPE: amino acid
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SPUMEN'E CHARACTERISTICS:
                                                                 ORF-2
                                                                                                   MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
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Fry, Kirk E
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                                                                                  TOPOLOGY: linear
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                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.25
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                                                       ## Reblinger & Associates
### So Cambridge Avenue, Suite 250
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                CURPENT APPLICATION DATA: APPLICATION NUMBER: US/09/851,410
                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMPER: US 07,681,078
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        124,321,121
                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
CTEFALLNG SYSTEM, PC PEFMS-DOS
                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 09/128.275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE DESCRIPTION: SEQ ID NO: 8:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Joanne R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          S DATE: 16-JUN-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S DATE: 11-APK-1989
MALLYN NUMBER: US (27)
FRATE: 1
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                                                                                                                                                                                                                                                                                                     07 May 2001
                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 05 APR-1991
APPLICATION NUMBER: US 07
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                                                                                                                                                                                                                                                                                                                                                                                                                                      05-APR-1990
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                                                                                                                                                                COMPUTER READABLE FORM:
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                 NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
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                                                                                             CITY: Palo Alto
                                                                                                                                   COUNTRY: USA
                                                                                                                                                                                                                                                                                                     PILING DATE:
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                                                                                                               STATE: CA
                                                                             STREET
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481 DQSTYGSSTGPVYVSDSVTLVNVATGAQAVARSLOWTKVTLJGGRFFLSTTQQYSKLFFVLP 540
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          54) LEGIKLISEWERNITTRAGYPYNYNITASDQLLVENAAGHRVATSTYTTSLGAGPVSTSAVAV 60C
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TRRENT AFFLITATION DATA.
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                                                                                                                                                                OTHER INFORMATION: Xaa = Unknown or Other at position 481 OTHER INFORMATION: Xaa = Unknown or Other at position 542 OTHER INFORMATION: Xaa = Unknown or Other at position 545
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CURRENT APPLICATION NUMBER- HSZN9Z468 147A
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APPLICANT: Schlauder, George G.
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                                                                                       ORGANISM: Hepatitis E Virus
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APPLICANT: Desai, Suresh M.
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US-09-468-147-92
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1113 | HELLIH SARANGENYSANGEN VERVENTARIAN 420.
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ilarity 91.5%: Pred, No. 9.8e 275;
Corcorwatise 26; Mismatches 40; Indols 0
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NUMBER OF SEC ID NOS: 258
SOFTWARE: FishER, for Windows Version 3.0
CORRENT FILING DATE: 1999-12-2]
EAKLIER APPLICATION NUMBER: US 09/173/141
EAKLIER FILING DATE: 1998-10-15
                                                                                                                                            EARLIER APPLICATION NUMBER: US 60/061,199
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al Similarity 100,0%; Pred. No. 1.36-226;
945; (onservative 9, Mismatcher 0, Indels 9)
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r62kba, F10UPE 4
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Telefione: (415) 324-0880
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APPLICATION NUMBER - BSZOG/200, 806, FILLING DATE: 24 Jun-2001
CLASSIPICATION: CBAKROWN-
                                                                                                                                                                                                                ADDRESSEE: Deblinger & Associates
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PENISIKATION NUMBER: 34,875
Yarbough, Patrice o.
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SIATE: CA
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THE AVAILABLE FEWERWICH TO SEAM STORE TO CVALUE ATTENDED FOR THE STATE OF THE STATE
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100,000; Predi No. 6, 46-2509
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CLASSIFICATION: CHARGOMA
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REFERENCE/DOCKET NUMBER: 4500
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CMMCDLES: INM PC compartible
OPERATURE SYSTEM: PC (#52/85)
SOFTWARE: Patont 5. Kelease #
CURRENT APELICATION DAIA:
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Patent No. US20020137360A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                             412 LYTSVENAQGDKG:AIFHDIDLGESEVVIQDYDNQHEQDRPTFSFAFSRFFSV:RANIVD 471
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                                                                                                                                                                                                                                                                                  Zhang, Mifan
TITLE OF INVENTION: HEPATITIS E VIFUS ANTIGENS AND USES THEPEFOR
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N. kOnknowns
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Patent No. US20020107360A1
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INFORMALION FOR SEQ ID NO: 27:
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ATTORNEY/AGENT INFORMATION:
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COPPESPONDENCE ALTRESS:
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                                              STRANDEDNESS: Hepatitis E virus (Burma strain) r62kDa, 56.5 kDa
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COMPUTER: HWM PC COMPATIBLE
OFERATING SYSTEM, PC 10.05/NS-DOS
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ORIGINAL SCURCE:
SEQUENCE DESCRIPTION. SEQ ID NO: 27:
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Patent No. US20020107360Al
CEMERAL INFORMATION:
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11 - 111 | 1114 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
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Pf2Kha. Pr.: Rba
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STREFT: 350 Cambridge Ave., Suite 250
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SEQUENCE DESCRIPTION: SEG-TO-NO. 25
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                                                                                                                              Sequence 6, April of a 1,09769066
Fatent No. 0820820107360A1
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                                                                                                                                                                                  472. WESTTAABYDGSTYTSSTOFVYVSDSVTI VRVA FOAQAVARSI IMPRVI LIGBFOLSTI OG - 531.
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CURRENT APPLICATION DATA:
APPLICATION NUMBEP "S./AQ.74Q.046
FILING LATE: 24 Jan 2001
CLASSIFICATION: <Unknown>
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STREET: 350 Cambridge Ave., Suite 250
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                                                                                                     Mismatches
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CUMPUTER: IRM PC compatible
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RECISTRATION NUMBER: 33,875
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Yarbough, Patrice C.
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TELEPHONE: (415) 324-0880
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              304 OLLYSSEVVSANDTTVVI YESVENA JOK TALEBETEG OKSEVVEGEYENGELEDE BETEGER
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                                                                                                                                                                                                                                                                                                                                                                                            2.105
                                                                                                                                                                                                                                                                                                                                                                       *4 GAPGIAELLITAATREMALLYETSINGVGELGRGTALLLENLADTILGGTPFFLISSAD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 1677; DB 10; Lougth 327;
Prod. No. 5,90-132;
% Miscatches (, Lidels o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     47.4%; Score 1615; DB 11; Length 459;
                                                                                  SIRANDEDNESS: Hepatitis E Virus (Burma strain) SG3
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APPLICANT: Mishalman, 1. K.
APPLICANT: Mishalman, 1. K.
APPLICANT: MISHALMAN, 1. K.
THILE OF INVENTION: MEPATITIS E VIRUS
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                                                                                                                                                                                                                      SEQUENCE DESCRIPTION: SEQ ID NO. 17:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EARLIEP FIGURE DATE: 1998-10-15
FARLIEP FIGURE DATE: 1998-10-15
FARLIER APPLICATION NUMBER: US 60/061,199
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Application US/094/8147A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           THER INFORMATION: PKSORFIZM 4.pop
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100.0%; Pre
                                         LENGIH. 527 amino acids
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NUMBER OF SEQ ID NOS: 258
                                                                                                              reqion
INFORMALION FOR SEQ ID NO. 17;
SEQUENCE CHARACTERISTICS:
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                                                                                                                                Pala Dody: linear
MaleCHER TYPE: protein
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                                                                  antino acid
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7.1 AROUACHVILLOBEDOS .....V. CHANGE FICER CARAGE DRANGER CO
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[2]
                                                                               47.4%; Syste 1835; DB II; Jendth 459; 93.6%; Pred, No. 126;
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APPLICANT: Dawson, George J.
APPLICANT: Mushahwar, 1. K.
TITLE OF INVENTION: METHORS AMPOUNDED TO RECEIVERNOTHING TITLE OF INVENTION: HERATILES F VIMIS
FILLE REFERENCES, 6.242.05.P1
Rest Local Similarity 93.68; Frod. No. 1.50 (18).
Marches 308; Conservative (4) Misharches ?
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EARLIER APPLICATION NUMBER: US DOZUGL, 199
MARKE OF PILLING DATE: 1997 TO 15
NUMBER OF SEQ. ID ACS: 258
SOFTWARE: FASTSEQ TOF WINDOWS VETSIGE & O
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FARLIER APPLICATION BURHILL USAGGIP (14)
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511 ARSIDWTKVIIDGRPISTIQGYSKIFFVLFIRGKISFWEAGTIKAGYPYNYNTASDQII, 570
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Dawson, George J.
APPLICANT: Mushabwar, I. K.
IIILE OF INVENTION: METHOUS AND COMPOSITIONS FOR DETECTING
IIILE OF INVENTION: HEPATITIS E VIRUS
FILE PREFERENTY: 62.2.US.Pl
CURRENT APPLICATION NUMBER: US/09/468,147A
                                                                                                                                                                                                    631 RPLGLQGCAFQSTVAELQRLKMKVGKTRE 659
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EARLIER PEDLICATION NUMBER: US 09/173,141
EARLIER FILLING DATE: 1998-10-15
FARLIER FILLING DATE: 1998-10-15
FARLIER FILLING DATE: 1997-10-15
NUMBER OF SEQ ID NOS: 258
SOFTWARE: FASLSEQ for Windows Version 3.0
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                                                                                                                                                                                                                                                                                                                                  Sequence 199, Application US/09468147A Publication No. US20030049601A1 GENERAL INFORMATION:
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APPLICANT: Desai, Suresh M.
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US-09-468-147-199
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Search completed: August. 5, Zvöt, 09:31:32 Friend 27 core

GenCore Version 5.1.6 (c) 1993 - 2003 Compugen Ltd. Capyriahr (c) 1993

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August 5, 2003, 09:24:33; Search time 44 Seconds (without alignments)
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SUMMARIES

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C)Accession: C40778
R:Tam, A.W.; Smith, M.M.; Guerra, M.F.; Hoans, C.C.; B adley, D.W.; Fry, K.E.; Reyes, Virology 185, 120-14; 1991
A;Fille: Hepatitis E virus (HEV): molecular cloning and sequencing of the full length A;Reference number: A40778; MOID: 92024067; PMID: 1926770

A;Accession: C40778 A;Molecule type: qenomic RNA

A)Residues: 1.660-7AM-A)Cross-references: 36:M7.218: NID acouze, FIBN AAA45.00.1: FID:Accopy A)NOTe: the unifors translated the codon 030 for residue 2 as Ala C)Superfamily: hepatities B vrons structural protein 2 C)Seywords: structural protein

Ejl 22/bomain: Slanal Sequence #status predicted -8FG Ej28-660/Product, Stractural protein 2 #status predicted -8F2.

edro to Lemmit 6663 Indels 100,0%; Sesse (408); DB-1; 100,0%; Pred, No. 8,548,508; e: Mismatches Omery Match Best Local Similarity 100.0° Matches 660; Conservative 1 MRPRITEELEGAMPLEMETARICOPPERRICHER OF ETWARKUSOFFATEVEHEIN 60 1 MRPRETLAMMMERMINAPPENSONNINKRANGARAGONSOLEWINKVINOUPALEYTHEIN 60 3 :: ::

61. PPAPDVTAAAGAGPKVKÇIDAKFLGBAWKEQAÇKFAVAGKEFFFFBABAFLFAVAPAHDEF-120 q Š

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GenCore version 5.1.6 Copyright (c) 1993 \* 2003 Compagen Ltd.

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## SUMMARIES

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Tsarev S.A., Emerson S.U., Reyes G.R., Tsareva T.S., Legters L.J.,
Malik I.A., Iqbal M., Purcell R.H.;
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Proc. Natl. Acad. Sci. H.S.A. 89-559-563(1992)
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Viruses: ssknA positive-strand viruses, no DNA stage;
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FORCTION, CONTAINS A HIGH BASIN ANTRO ACTO CONTENT CUCCELLED THAT IT HAY HE INVOLVED IN THE EXCANSITATION OF THE CHARACTER FOR PY EPIDETIVELY MECHANISED THE HEALTERY HAS INCOME.
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99.5%; Score 3391; DB 1; 49.4%; Pred. No. 2.26-206;
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Vituars: SSRNA positive-strand firuses. Hepatitis E-like viruses.
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Aye T.T., Uchida T., Ma M.Z.. lid
                                                                                        Matches 656; Conservative
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                                Similari';
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3A82A4EA255C6253 CRC64;
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                                                                                                                                                                                                                                                                                                      98.8%; Score 3367;
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Ptam: PF04014; SP2; 1.
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660, AA:
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"Modecalar conditions and sequencing of that Mexico isolate of hepatitiss
"Forms (BEV).";
Virology 191:950-508(1992).
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70640 MW: CPPSEPSEPSEBLC CROS4;
Repaidis E Virsa (strain Meado), AULV).
Viruses: SSENA positive Strand viruses, no DNA stage:
Repaidis E-liko viruses:
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InterPro; IPR004261; SP2.
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Best Local Similarity
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SEQUENCE PROM N.A., AND PUNCTION.
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Wang C. K., Shikata I., Ichikawa M., Pikihisa I., Mizuno K.,
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Hepatitis P virus (isolate Phesus) (HFV).
Viruses; ssRNA positive-strand viruses, no DNA stage;
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Hierobiol Immunol 36.67-79(1992).
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01-00T-1993 (Rel. 27, Last annotation update)
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between the Swiss Institute of Bioinformatics and the EMBL outstation—the Buropean Bioinformatics Institute. There are no restrictions on its use by non profit institutions as long as its content is in myay modified and this statement is not removed. Usage by and for commercial or first requires a function of the statement is not removed. The way and for commercial or send an email to licensetish.ch).
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                                                                  34.1 PVSDSVTLVNVATGAQAVAPSLDWTKVTLD3PPLSTTQQYPKTFFVLPLPPRRLSFWFA3T 420
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TRT2 gene transcription is induced predominantly by SWIS in early GLT,
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PIK: S55802, S7862.
SCD: S0005271: PCTZ.
GO: GO:0009277: C:Cell Wall (sensu Fundi); IDA.
CO: GO:0009277: C:Cell Wall (sensu Fundi); IDA.
GO: GO:0009277: C:Cell Wall (sensu Fundi); IDA.
GO: GO:0009277: C:Cell Wall (sensu Fundi); IDA.
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Füharyata, Pareli, Astuay ota: Sarcharomycethas: Saccharomycetes:
Sarcharomycetales: Sarcharomycetacene: Sarcharomyces.
                                   EGT2 protein precursor (Early G1 transcript 2)
EGT2 OR YNL327W OR N0320.
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01 N°V-1995 (Rel. 32, Last, Sequence update)
01-N°V-1997 (Rel. 35, Last annotation update)
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MEDLINE-95373280; Pubmod-7645347;
Maflahi M., Nirasd J. M., Levesqua
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Koracech P., Naumyth K., Schuster
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Proc. Raft. Asad. Sei. 0.53.4 (9.8) 9811 (9.0).

1- PUNCTION: MAKES PARE OF 1FIED IS A MULLIMERED FRONTEN CARRIEX IHAL
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Whitchead S.L., Whittaker P., Willey E.L., Williams L., Williams S.A.,
Wilming L., Wray E.W., Habbard L., Lorbin E.M., Fribley D.R., Beek S.
Koeres J.;
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Menqus G., May M., Carre L., Chamben P., Levidson L.;
Human TAP(II) 45 potentiates transcriptional activation by the AF
of the relinoic acid, vitamin Ds, and thyroid becomes receptors in
mammalian cells.";
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35 SEP 2003 (Bel. 42, Last annotation update)
Transcription initiation factor TFIID 135 Rha subunit (TAPHE 135)
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Mammalia, Eutheria, Primates, Catarchini; Hominifies Homo.
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TAF4 OR TAP4A OR TAF2CL OR TAP2C OR TAFTIL 65 OR TAFTIL 40.
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STRACYFYNYNTTASREJLYDNAACHKVALST
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15 SEP 2003 (Rel. 42, Last amout
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This SWISS-FP7T whity is regarded it is a decoupled a callaboration between the Swiss Institute of Bioinformatics and the BMEL outstation the European Bloinformatics lastitute. There are no restrictions on the by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isn-sub-ch/announce/or send as ownly to lightseafthesib.eth.
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GO: GO:0005515; F:protein binding activity; IAS.
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                SUBCELLULAR LOCATION: Nuclear.
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EMBL: AL109911; CAC22312.2; ...
EMBL: U75308; AAC50901.1; -...
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Pfam; PF05236; TAF4; 1,
SMARI; SMO0549; TAFH; 1,
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Matches 124; Cosservative
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SFAC; T02328; -.
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"Genomic organization of the human modin dence MUC5B, CDNA and denomic
sequences upstream of the large central exon.";
J. Riol. Chom. 273:30154-30164(1998).
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J. Biol. Chem. 272:3158-3178(1997).
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09HC84; CC0447; 000573; C1498F; C15494; 095291; 095451; 014881;
099552; 09UE28:
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28-FEB-2003 (Rei. 41, Last sequence update)
28-FEB-2003 (Rei. 41, Last ameriation update)
Mucin 5B precursor (Mucin 5 subtype B, Tracheobronchiai) (High molecular weight salivary mucin MG) (Sublingual gland mucin).
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Desseyn J. L., Cuyomaet Paperat V., Porchet N., Aubert J. P.,
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Bannibal J., Clausen H.;
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318 TRVSPYSSIARBEREJADDIAELITTAATREMEDL
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MEDLINE-97292540; PubMed 9147051;
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this SWISS-PPOT entry is copyright, it is produced through a coliaboration the European Richard of Bioinformatics and the EMRL outstation the European Richard Institute of Boinformatics are no restrictions on its mass by non-profit institutions as long as its content is in no way modified and this statement is not team of Tharp. We stad for content in our profit but requires a license agreement (See http://www.isb.s.b. h.m.norce, or send an email to licensee(sb.sib.ch).
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"identification of a major human high molecular weight salivary mucin (MCL) as tracheobronchial mucin MC58."; (Gycabiology 2:414:419(1997).
                                                                                                                                                Keates A.M., Names D.P., Aidhal N.H., Froxler R.E., offner G.D.; "Molecular cloning of a major human gall bladder mucin: complete C-terminal sequence and genomic organization of MUCSB.";
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Marchine 26/12/65/5; PubMed 855456;
Irraker E-FF, Offuer E-B-Zhang E-, Tontcheva E-, Oppenheim E-C-;
"Molecular cloning of a nozel high molecular weight mucin (MG1)
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                                                                                                                  Mondo V., CWilliam R., Balandeam M.A., Tyne M., Lyne R., Stewart A., Stewart A., Squires J., Peat N., Hayles J., Baker S., Basham D., Bowman S., A. Squires J., Brown D., Brown S., Chilliam R., Churcher C.M., A. Chilla M., Calair A., 1915. P., Fellwell T., Elaser A., Chilla M., Calair B., 1915. P., Heddoo J., Hodson J., Holliam D., Goble A., Hamilin N., Harris D., Hidaloo J., Hodson G., A. Helloy S., William S., Murdall K., Murphy L., Miblett D., Odoll C., A. Gobrey P., Mondo M., Landers M., Mondo M., Maris R., Miblett D., Odoll C., A. Chiver K., C'Nell S., Pearson D., Quali M.A., Babhinowitsch E., A. Chiver K., C'Nell S., Sannders D., Seeqer K., Shapp S., Zectus E., Sannders D., Schlos J., Warren T., Whitehead S., A. Caplor K., Taylor R.G., Tivey A., Walsh S.V., Warren T., Whitehead S., Moddard J., Volckeort G., Acrt R., Pokhanger M., Schaefer M., Hueller Auer S., Gabel C., Ruchs M., Parize E., Moestl D., Hibbert H., Belinger H., Belinger H., Borly H., Belinger H., Boll J.M., Marren T., Marren T., Marren T., Marren S., Sarry K., Earler J., Warren L., Berk A., Lehrack H., Belinger H., Fellmack H., Fellmack H., Fellmack J., Warren T., Warren T., Warren T., Warren S., Barry K., Earler S., Sarry K., Lander L., Berk A., Lehrack H., Bellmack J., Pohl J.M., Bellmack J., Warren T., Warren T., Warren T., Warren T., Warren S., Sarry K., Lander J., Bellmack J., Warren T., Warren S., Barry K., B
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                                                              STRAIN-972;
MEDLINE=21848401; PubMed=11859360;
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FMBL; AL021813; CAA16975.1; -
GeneDB_SPombe; SPAC19G12.16c;
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E. 146. FURTHER BYTABETHY SKALPHER VEH AV VEH FOUR STUDEN PEPAASSTEEL	7 IA FATIRYRELIVENAV	259 VSSSISSETATPSERLHYRNQGMESVETSGVAREEATSGLVMLCIHGSLVNSYT- 289 1		449 848	7 C97 YSEPVVSANGEPTVKLYTSVENAQOBKGIA1PHDIDLGESKVVIQDYDNQ 446 1	447	199	155	604 611	HKRI YEASH  HKRI YEASH  HKRI YEASH  SIANDARD: PPT: 1802 AA.  10 NAV-1995 (Red. 42, Created)  11 OH NAV-1995 (Red. 42, Created)  12 OH NAV-1995 (Red. 42, Created)  13 OH NAV-1995 (Red. 42, Last sequence update)  14 OH NAV-1995 (Red. 44, Last amortation opdate)  15 OH NAV-1995 (Red. 44, Last amortation opdate)  16 OH NAV-1995 (Red. 44, Last amortation opdate)  17 OH NAV-1995 (Red. 44, Last amortation opdate)  18 Succharomycetales; Saccharomycetaceae; Saccharomyces.  18 Saccharomycetales; Saccharomycetaceae; Saccharomyces.  19 NAV-1945 (Path. 49)  19 Succharomycetales; Saccharomycetaceae; Saccharomyces.  10 Saccharomycetales; Saccharomycetaceae; Saccharomyces.  10 NAV-1949 (Path. 49)  11 NAV-1949 (Path. 49)  12 NAV-1949 (Path. 49)  13 MEBINE (Path. 49)  14 NAV-1949 (Path. 49)  15 NAV-1949 (Path. 49)  16 NAV-1949 (Path. 49)  17 NAV-1949 (Path. 49)  18 NAV-1949 (Path. 49)  19 NAV-1949 (Path. 49)  10 NAV-1949 (Path. 49)  11 NAV-1949 (Path. 49)  12 NAV-1949 (Path. 49)  13 NAV-1949 (Path. 49)  14 NAV-1949 (Path. 49)  15 NAV-1949 (Path. 49)  16 NAV-1949 (Path. 49)  17 NAV-1949 (Path. 49)  18 NAV-1949 (Path. 49)  19 NAV-1949 (Path. 49)  10 NAV-1949 (Path. 49)  11 NAV-1949 (Path. 49)  12 NAV-1949 (Path. 49)  13 NAV-1949 (Path. 49)  14 NAV-1949 (Path. 49)  15 NAV-1949 (Path. 49)  16 NAV-1949 (Path. 49)  17 NAV-1949 (Path. 49)  18 NAV-1949 (Path. 49)  18 NAV-1949 (Path. 49)  19 NAV-1949 (Path. 49)  10 NAV-1949 (Path. 49)  11 NAV-1949 (Path. 49)  11 NAV-1949 (Path. 49)  12 NAV-1949 (Path. 49)  13 NAV-1949 (Path. 49)  14 NAV-1949 (Path. 49)  15 NAV-1949 (Path. 49)  16 NAV-1949 (Path. 49)  17 NAV-1949 (Path. 49)  18 NAV-1949 (	between the Swiss Institute of Bioinformatics and the EMBL outstation - the Enegean Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way mostified and this statement is not removed. Usage by and for commercial
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                                                                                      1272 NPLSSAQ----IPNPLPLVLK-------YPFSNTSSE---LDNSICE---LST 1307
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475 TTAAFYDQSTYGSSTGPVYVSDSVFBVNVATGAQAVARSLDWIRVF------LDG 52°
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11 SUBCELLULAR LOCATION: Integral membrane protein (Potential).
11 SIMILARITY: Contains 1 GPS domain.
11 SIMILARITY: Contains 1 PLAF domain.
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Submiffed (FFR 1995) to the EMBE/Conkank, DORI distasses
                                                                                                                                                                                                                                                  0046754, product product 01.NOV-1995 (Rel. 32, Created) 28-PRH-2003 (Rel. 41, Last sequence update) 15-SEP-2003 (Rel. 42, Last annotation update) 4Kpothetical protein ZK945 9 in chromosome II 2K945 9/2K945,10.
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Interpro: IPR002111: Cat_channel_TrpL.
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HEDLING 9521956 / PLBM J 22-1988;
Bussey H., Eabark D.B., Dleitk, V. D.L., Tierk M.W., Fortin N.,
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01-FBB-1996 (Ref. 43, Last sequence update)
01-FBB-1996 (Ref. 34, Last unnotation update)
Hypothetical 199.1 kDa protein in FLO9-GDH* interqenic precursor
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Bakarpata, Pusti, Arespecti, Sase Estromycollus, Saccharody etes;
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0.6%; Pred. No. 3.9;
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This SWISS-PROT entry is copyright It is produced through a collaboration between the SWISS Institute of Bhoinformatics and the EMBL outstailon. The European Holmformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way most and and this statement is not removed. Usage by and for sommercial entities repaires a license agreement (See Alth.//www.isbrsib.ch/gonouncey or send an email to license also be).
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emellette H.F.F., Keng f., Barton A.B., Su Y., Davies C.K.,
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19.2%; Pred. No. 1.6;
                                                     "The nucleotide sequence of chromosome I from Saccharomyces
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                                                                                                     roc. Natt. Acad. Sci. U.S.A. 92: (809-3813(1995).
!- SIMILARITY: STRONG, TO YEAST PROTEIN FLOT.
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61 APR-1993 (Feb. 25, Last sequence update)

15-DEC 1998 (Feb. 37, Last annetation update)

Altacomylase 22 precursor (FC 5.2.1.3) (Glavan i 4 alpha alucosidase)

(TA alpha D glacan qlucobydroJase) (GALI).
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Kim K., Bajacar I., Lov S.Y., Knudson P., Mattoca, I.K.;
"Cloning of a mea albelic variant of a Sacharomores diastations
alucommylase area and its introduction into industrial yeasts.";
Appl. Hiochem. Biotechnol. 44:161–185(1994).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Saccharomycetales; Saccharomycetaceae: Saccharom res.
    18.2. LESSAGROLLYSKEVYSAMALTIVKETT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HSSP: 1004042; JAVX.
HSSP: P08012; JAVX.
InterProj. IPROJ0165; GLyco bydro, PS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         with release of beta p alueuse.
                                                                                                                                                                                                                           1:49 ISCGSOVESLITSPAINTAINAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sarcharomyces diastations (Yeast).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PROSITE; PSCOBZG; GLICOAMYLASE; L.
                                                                                            4.34 GESRVVIONYDNOHEODRFTFSFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pfam: PF00223; Glyco_hydro 15, 1,
                                                                                                                                                                                                                                                                                                                                                                                                       1242 ATDVIGHSSSVVSVSFT ...''N
                                                                                                                                                                                                                                                                                                                                                               597 AVAVLAPHSALALLEDI + L+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRINTS: PROGZAS: SLHYLIKLASES
                                                                                                                                                                                                                                                                                                                  1191 -- SVSSKMNSATSETT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL: M60650; AAA35107.1;
EMBL: M90490; AAA20560.1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SECUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SECTEMBER TRAM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCB1_TaxID 41870;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AMY 1_SACD1
P29760;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AMY L_SACD !
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23   CHINCOAMYLASE S2.   22   768   CHINCOAMYLASE S2.   348   SER/THK RICH,   49   692   H SUBUNIT.   419   692   H SUBUNIT.   416   456   SUBSTRATE (BY SIMILARITY).   416   456   SUBSTRATE (BY SIMILARITY).   418   418   CATALYTIC BASE (BY SIMILARITY).   418   A18   CATALYTE (BY SIMILARITY).   418   A18   CATALYTE (GLUNG) (POTENTIAL).   424   424   A15   A16   A16   A17   A1	3.8%, Score 130 5, DB 1, Length 768; milarity 20.8%, prod No. 0.8%; Conservative 70; Mismatches 131, Indels 193; Gaps 29,	FP111ILLIMFLPMI PAPPPGOPSAPPPGGSGGFWENPVDSGPFAIPYIHPT 59	NPFAPDVTAAAGAGIPPVPQPAPPLGSAWPDQAQPPAVASPRRPTTAGAAFLTAVARAHDT 119	PHOFFSCATEPPOYNESTSP - LESSVATGIN - COLVAAPESPELFEGGGTNTHH 174	MATEASNYAQYRVARATIFYPPLVPNAVGGYAISISFWPQT-TTTPTSVD 223	SITSTDVRILVQPGIASELVIPSERLHYRNQGWPSVETSGVAFFEATSGLVMLCIHGS 283	NSYTNTPYTGALGLI GFALELEFENI TEGNINI BVSRYSSTARHFLÆGGAGGTAR (40 	LITTAATREWKDLYFTSINGVGFTGRGIALTLENLADTLEGGLETELLSSAGGQLEYSEP 400	VVSANGEPTVKLYTSVENAQÖRGIALFHDID-LÖBSKYVIQUXUNQHEQD 450 	11. FOUNT ASPSOTHPDY FYQWIRDSALTINS 1VSHSADPA I ET LLQYLNVSFH	YGSSTGPVYVSDSVTI VNVATGAQAVAPSLDWTKVTLDGRPLSTIQQYSKTPFVLDI. 541  :	LSFWEAGTTKAGYPYNYNTTA 565 
1 3 3 4 6 4 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		PP1111- 11 11 RPFLLA	NPFAPD  : ESFSTG	PFVPPV      VITTIT	MATEAS: :    : vttfya	MNSITS    TNSAGE	LVNSYT	LITTAA   : TTTSYT	VVSANGE	RPT  : -PSILP	OSTYCS:  - -:   NNTLGA	RGKLSFT : : IDY
SIGNAL CHAIN DOMAIN DOMAIN BINDING ACT_SITE ACT_	Query Match Best Local S Matches 130	4 E	60	0.51 66	175	224	284	341	401	451 365	482	542
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           101
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   102 ----PTTAGAAPLTAVAPAHOTPPVPDVBSRGATLRRQVNLSTSPLTSSVA----FGTN 15Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        117 IYTAIPISISETTKSSISITPITIISEISITSTESTESTEELISIISIIPIISEE 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               153 IVINAAFLSFLAHLODGTNTHHMATHASNTAWNBVAKATHNTRH VENAVS WALSLUW 212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      - 11811 224
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sabs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIANIZINI3168; PuthMed=11160904;
Cohen B.D., Settil G., Abramova N.E., Davies R.J., Lowry C.V.;
Chiduction and repression of 19MH and the family of anaerobic
"anneprotein tenes in Set.Lai., p.es. reterision a perior "Sec.Lai., p.es. reterision";
Nacione Acids Res., p.es. 201799-808 (2001).
| Finicrion. Power surface and Tell. (By similarity)
| SUNCELLUIAR LOCATION: Attached to the membrane by a CPI-anethor
                                                                                                                                                            Cell wall protein DAMA precursor.

DAMA OR VIRISH OR J223.

Sacribaromyces cerevisiae (Baker's yeast).

Eukar, otar, Forat, Assempedia, Saccharomyces, Saccharomyces.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FORM (PUTENITAL).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3.8%; Score 140.5; DB 1; Length 1161; 17.2%; Pred. No. 1.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   177 STPPTSTTSTTPTFSTTST----TPTTSTTSTTPTTSTTSTTPTTS
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                                                                                                                                                                                                                                                                                                                                                                                                                      Submirred (SEP-1995) to the EMBL/GenBank/DDB1 databases
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CELL WALL PROTEIN DAN4.
PEMOVEE IN MATURE FORM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GPT ANCHOR (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -:- PTM: EXTENSIVELY --GLYCOSYLATED (FOTENTIAL).
-!- SIMILARITY: BELONGS TO THE SRP1 / TIP1 FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-FER-1996 (Rel. 3), Created)
01-FEB-1996 (Rel. 3), Last sequence update)
28 FEB-2003 (Rel. 41, Last annotation epdate)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL; 249651; CAA89684.1; -. PIR; S57180.
SGD: S0003912; DAN4.
GO: GO:6009277; C:cell wall (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24
25 1146
1147 1161
1146 1147
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           52 HPTNPPAPPVTAAAG-
                               STANUARD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1161 AA:
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                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                           NCBI_TaxID-4932;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (Potential
                                                                                                                                                                                                                                                                                                                                                                                               Scarcez T.;
DAN4_TEAST
ID DAN4_YDAST
AC P47179;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REGULATION.
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27.3. SGLVMLCTHGSLVNSYTNTPYTGALGLLD - FALELEFRNLTPGNTNTRVSRYSSTARHR 330
                                         284 ISTISTAPTISTASSTESTSSASSVISTTATTSTTFASLITPATSTASTDHTTSS--- 340
                                                                                                                             ····VSTTNAFTTSATTTTTSDTYISSSS-····------PSQVTSS 372
                                                                                                                                                                       91 ACCOLEYSPIVUSANGEPTV - - KLYTSVENAQODKGTATPHOTOLGESRVVTQDYDNQHE 448
                                                                                                                                                                                                               ----EPTTVSEVTSSVEPTRSSQ-----VTSSAEPTTVSEFTSSVE 410
                                                                                                                                                                                                                                                             14. JOPPITESPAESRPESVLPANDVLMLSLIAAEYDQSTYGSSTGFVYVSDSVTLVNVAIGAQ 508
                                                                                                                                                                                                                                                                                                          ----TITVSPFFGSVFPTPSSQVTSSAEPTTVSFFFGSV 457
                                                                                                                                                                                                                                                                                                                                                      OF AVARSIDMTRVILDSBELSTTOOYSRTFFVLPIR-GRUSFWEAGTTRAGYPYNYNTTASD 567
                                                                                                                                                                                                                                                                                                                                                                           (58 EPHRS -- SQVTSSAE) 1TVSFFTSS - VEPTRSSQVTSSAEPTTVSETSSVEP1ESS 511
                                                                                                                                                                                                                                                                                                                                                                                                                                       664 OLLVENAA HRVATSTYTT SLCAGPVSTSAVAVLAPHSALALLEGTLDPPARAHTFDDPC 627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FUNCTION: May modulate neuronal adhesion and neurite growth during descrippment by binding to neural cell adhesion molecules (NG-CAM and N°AM). Chondroitin sulfate proteoglycam; binds to Agaluronic
                                                                                   (3) LREGALGIARITITAATREMEDIYETSTNGVGEIGRGIALTLENLADTLLGGLPTELISS
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Lamordin J. E., McCready P.M., Skowtonski E., Adamson A.W.,
Kornhart S. Heitz E., Sudom in. Eye A., Kamirez M., Stines J.,
Phan B., Velasco N., Do L., Regala W., Terry A., Garnes J.,
Bancanar L., Foundstone P., Christensen M., Georgescu A., Avila J.,
Liu S., Atlik C., Andreise I., Trankheim M., Amicockeller G.,
Liu S., Atlik C., Andreise I., Trankheim M., Amicockeller G.,
Kramiller H., Arellano A., Montenmery M., Ow D., Wolan G.,
Kramiller H., Arellano A., Montenmery M., Ow D., Wolan M., Irong S.,
Kobayaski A., Olsen A.S., Carrano A.V.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     oldSod; VSDEKG;
28 FER 2003 (Rel. 4), Created)
28-FFR 2003 (Rel. 4), Last sequence update)
15 SEP 2003 (Rel. 42, Last annotation update)
Neurocan core profein precursor (Chondroitin sultate profeoglycan 3).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Sequence analysis of an 1 Mb region containing the MEF2B gene in 19612.1^\circ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo Sapiens (Human).
Eukatyota: Motazoa: Chordata: Craniata; Vertebrata; Euteleosfomi;
Mammalia: Eutheria: Primates: Cafarrhini: Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Prince C.K., Pennacchio L.A., Licenallen K., Fan W., Lennon G.G.; "Tharacterization of the human neurocan gene, CSPG1."; Gene 221:199-205(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (JUL-1998) to the EMBL/GerBank/DDBJ databases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDILINE 99014874; PubMed-9795216;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PISSUE SPECIFICITY: Brain.
                                                                                                                                                                                                                                                                                                     411 PTRSSQVISSAFP----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6.28 PECKPL 644
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POON HUMAN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ESE LIKE Z, CALSTOM FINDING (PSTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Glycoprotein; Hyaluromic acid; Protesqlycan; Immarshbulin domain;
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NEUP «AN CORE PROTEIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OF TYPE LECTIN.
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Prostre: Pseudoto, ASA BITHGATT:
PROSTRE: PSGO0415 CTYPE LIPTIN
PROSTRE: PSGO0415 CTYPE LIPTIN
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EGF_CA; 1.
EG_LIKE: 1.
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Interpro: IPRCO[88]; EGF C3
Interpro: IPRCO6209; EGF Like
                                                                                                                                                                                                                                                                                                                                                                                                                                                          InterPro: IPROOF 304; Lectin C.
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InterPro: IPPRO33599; Fq.
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                                                                                                                                                                             EMBL, AF02651; AACH0576.11
EMBL, AC004110; AAB46656.1;
EMBL, AC005254; AAC25581.1;
HSSP; P00740; TEDM.
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SMART: SMORD44: CLECT: 1.
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SMART: SMOO409: 1G: 1.
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MIM: 600826;
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68 AAAGAGPRVRQPARPLGSAWRD---QAQRPAVASRRRPTTAGAA------PLTAVAPA 116
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                                                                                                                                                                                                      22 POLIPSORPRORPSGGSGGGF----WGDRVDSQP----FAIPYIHPINPFAPDVT 67
                                                                                                                             Best Local Similarity 22.0%; Prod. No. 2;
Matches 140, Conservative 63, Mismatches 231, Indels 261, Gaps
                                                                                                            3.8%; Score 129.5; DB 1; Length 1321; 22.0%; Pred, No. 2;
979 -----GVESFWEEVASGEEPALPGTPMN 1001
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Search completed: August 5, 2003, 09:27:38 Job time : 31 secs

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Fred. Wo. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. Pred No.

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## SHIMMARTES

		Description		Q9e8q5 hepatitis e		09wqa0 hepatitis e	089468 hepatitis e		09w7w9 hepatitis e	069419 hepatitis e	Q81878 hepatitis e	091856 hepatitis e	959411 hepatitis e	09w114 hepatitis e	Q8jt32 hepatitis e		hepat	08jm8 hepatitis e	
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## AL LUNMENTS

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"Phylogenetic analysis of bepatitis E virus isolates from Egypt.";
I. Med. Virol. 57-68-74(1999)
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SEQUENCE 660 AA; 71040 MW; 044FE5EA7C492791 CRC64;
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01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
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EMBL: AF051351; AAC35761.1; -
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Atankalle V.A., Paranjape S., Emerson S.D., Purcell R.H.,
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Hepatitis E-like viruses.
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01-DEC-2001 (TrEMBLrel, 19, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99.2%; Score 3482; DB-12; Length 660;
99.1%; Pred. No. 8.6e-215;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vin S.R., Purrell R.H., Emerson S.U.;
Schmiffed (MAE 1996) to the EMME Section (1999) decabases
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01 New Person (Trembland), 61, Last sequence update)
01 DET 2001 (Trembland), 19, Last annotation update)
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EMBL: L25547, AAA91080.1;
EMBL: L25595; AAA65490.1;
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241 ASELVIPSEREIRYRNQOMESVETSOVAESEAUSOLVAMATINIPTIOALGIJ.
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Uchida F., Sazuki K., Hayashi N., Hida F., Hara J., en S.S.,
Mano C. K., Ch Pira J., Peleksa P., Pikhiro J., Kirus K., Win K.M.,
"Hepatitis E vincs: CRAA claims and expression.";
Fry K.E., Royes G.B.;
"Hepatitis E virus (HEV): Workevilar cloninal and sequencing of the
Tall length viral aenomes."
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01-DEC-2001 (TrEMBLIGE), 19. Last aniotation update)
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Virus s, spark portal.
Repatitis Elliko viruses.
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SEQUENCE FROM N.A.

1 MKEPPILALLUMFLPMLEAPPIGGESGRRKGRRSGISGGGFWGDRVDSQPFAIPYIIPTN 60

Indels

1; Mismatches

Hest Local Similarity 99.1 Matches 654; Conservative

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61 PEAPDVTAAAGAGPRVROPAPPLGSAWPDQAQPPAVASPRRPTTAGAAFLTAVAPAHPTF 120
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                                                          "Complete nucleotide sequence of a hepatitis E virus isolated from the Xinjianq epidemic (1986-1988) of China.";
Nucleic Acids Res. 20:3512-3512(1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121 PVPDVDSRÇATLRRQYNLSTSPLTSSVATGTNLVLYAAPLSFLLPLQDGTNTHIMATEAS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bi S-L., Purdy M.A., McCaustland K.A., Margolis H.S., Bradley D.W.; The Sequence of hepatilis F virus isolated directly from a single source during an outbreak in China."; Virus Res. 28:233-247(1993). Virus Res. 28:233-247(1993). InterPro: IPROM4261; SP2 Ffam: PF03014; SP2
                                                                                                                                                                        Tsarev S.A., Emerson S.H., Pryes G.R., Tsareva T.S., Legters L.J., Malik I A. Iqbal M. Purrell P. H.
"Characterization of a prototype strain of hepatitis E virus.", proc. Natl. Acad. Sci. U.S.A. 89:559-563 (1992).
                                                                                                                                                                                                                                                                                       MEDLINE-92271462, FubMed-1589964, Fry K.E., Tam A.W., Smith M.W., Kim J.P., Tuk K.-C., Young L.M., Piarak M., Feldman P.A., Yun K.Y., Purdy M.A., McCaustland K.A., Bradley E.W., Reyes S.E.,
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ilarity 99.1%; Pred. No. 8.6e-215;
Conservative 1: Mismatches 5; Indels 9.
MEDLINE-923356085 Purmed 1639924,
Aye F.T., Ochida T., Ma X.Z., Iida F., Shikata T., Zhuang H.,
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                                                                                                                                                        MEDLINE=92115700, FobMed-1731327,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  [8] NYAQYRVARALLRYRHSVPNAVSGYALSTSFWIGFTP IPTSVOMNSTESTBVRTLVQPGT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Primary structure of open reading frame 2 and 3 of the hepatitis virus isolated from Morocco."; Virus isolated from Morocco."; Med. Virol. 57:126-133(1999).

EMBL: AFG65061: AAD10627.1; · .
InterPro; IPR084261; SP2.
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Meng J., Coma M., Dai X., Pillot J., Purdy M.A., Fields H.A.,
Rhadyakov Y.E.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 99.2%, Store 3881; DR 12; Lenath 660;
Best Local Similarity 99.2%; Pred. No. 1e-214;
Matches 655; Conservative 1, Mismatches 4, indels 9.
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saRNA positive strand viruses, no DNA stage:
                                                                                                                                                                                                                                                                                                                      01-NOV-1999 (TrEMBLICE), 12, Created)
01 BCV-1999 (TrEMBLICE), 12, Last sequence applate)
01-DEC-2001 (TrEMBLICE), 19, Last annotation update)
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1. Mismatches
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                                                                                                      (4) D. BELGEWIGGETTER THE THEFT A TEST VERANGER VALUETTES CALIFORNIA (E.G. 1911) FOR THE FORTE THE FORTE THE FORTE THE FORT OF THE FORTE VALUE THE FORTE VALUE AND VERNANGER SEWESTES VALUE VALUE VALUE VALUETTES.
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JUNCTATERIOTEGESPAVIGESINGHEGEFETEP PARCHEFEVERANDVIMESTAALS 480
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                                                                                                                                                                                                                                                                                                                                                                      501 LAPESALALLEDTLOYPARAHTEDOFCPECKPLGLQGCAFQSIVAELQRLKMKVGKIREL
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Schmitted (JHL 1996) to the EMHL/Genbank/DDBJ databases.
EMHL: 29-6441: 20461;
Interfro: [PRO04261; SP2.
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01 N.V.1396 (FEMBLECH, 01, Last sequence update)
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Matches 654, Subservative
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EMBL, AF051352; AAC35764.1; -.
InterPro, IPR004261; SP2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  98.8%; Score 3367; DB 12; Length 660; 98.8%; Prod. Nr. 9 4: 214.
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SEGÜENCE – 660 AA: 71026 MW; TGCCGÖFA; 5941FZA CPC64;
                                                                                                                                                                                                                                                                                                                                                                                                            Hepatitis E virus.
Virusees seRNA positive-strand viruses, no DNA stage;
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01-NOV-1998 (FERMELFEL, 08, Last sequence update)
01-DEC-2001 (TERMELFEL 19, Last ennotation update)
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MEDLINE=99105430; PubMed=9890424;
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Lenitoson L. Marcheson L. Lonitoson L. Lenitoson L. Marcheson L. Marcheson L. Lenitoson L. Marcheson L. M
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01-DEC-2001 (TrEMMELTEL, 19, Last annotation update)
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Donati M.C., Fagan E.A., Harrison T.J.;
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6.1. PEAFUVTAAAGAGPRVKOPARPIGSAWRIQAQRPAVASRRRPTTAGAAPLTAVAPAHD1 P. 120
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Godyna V., Suellings N., Popek M.J., Longer C.E., Innis B.L.;
"Hepatitis E-yrrus: complete genome sequence and phylogenetic analysis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       81 NYADYRVAKATIRYRPLVPNAVGGYAISISEWEQTTTTPTSVIMNSITSTDVRILVQPGI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  98.7%; Score 3362; D8-12; Length 660; 98.8%; Prod. No. 1.8e-213; ive 0; Mismatches 8; Indels 0;
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of NoV 1999 (TEMBLIE), 12, Last Sequence update)
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Jamed S., Zatudibh M., Chawla Y.K., Bilawuri J B.;
Meccaluditan of a North India Isolate of Departits E virus based on
the full-length genomic Sequence obtained following long REPN";
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Subwitted (ABY 2003) 1-00 EBRG/Chokank/2000 databases.
EBRE: AP459438 ABK AAM6630.13
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expression of structural region and antibody responses in sera from
individuals from an area of high-level HEV endemicity ":
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EMBL, AFORSA, AAA97366.1; -
EMBL, AFORSA, AAA9736.
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"Google Heletageovity of Bepatitis E Virus Formered from Japanese
Patients with Acute Sporadic Hepatitis.";
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Hepatitis E like viruses.
01-0CT-2002 (TrEMHLIC), 22, Treated)
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MEXILINE Z1996Z4B: PubMed 12001054;
Febrieschi K., Kang I.-H., chaighi S., Hino K., Mishiro S.,
"Send ir Heterogeneity of Hepathiis E Virus Recevered from Japanese
Patients with Acute Sporadic Hepatitis.";
I. Intert. Dis. 185:148 2 1465(2002).
EMBL: ABO7491B: BAR96562.1:
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